

Alabama Department of Environmental Management adem.alabama.gov

1400 Coliseum Blvd. 36110-2400 Post Office Box 301463
Montgomery, Alabama 36130-1463
(334) 271-7700 FAX (334) 271-7950

JANUARY 17, 2019

MR BILL PEARSON
FIELD SUPERVISOR
US FISH & WILDLIFE SERVICE
ALABAMA ECOLOGICAL SERVICES FIELD OFFICE
1208 MAIN STREET
DAPHNE ALABAMA 36526

RE:

Cooling Water Intake Structure 316(b) Review 3M Company – NPDES Permit Application Permit Number AL0000205 Morgan County

Dear Mr. Pearson:

Enclosed is a copy of the permit application submitted to the Alabama Department of Environmental Management for the reissuance of NPDES Permit AL0000205 for 3M Company.

This application is being transmitted to your office for a 60 day review period so that the Fish and Wildlife Service has the opportunity to review the information related to the design and operation of the cooling water intake structure at this site as required by 40 CFR 125.98(h).

In addition, the Department will provide the public notice, along with a copy of the fact sheet, statement of basis, the permit application, and the draft permit to your office to provide you with the opportunity to comment as required by 40 CFR 124.10.

Please submit your comments and/or questions to Scott Ramsey via email at sramsey@adem.alabama.gov or by phone at (334) 271-7838, or in writing to the above noted address.

Scott Ramsey, Chief Industrial Section

Industrial/Municipal Branch

Water Division

Enclosure:

Sincerel

Application

pc:

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (ADEM) NPDES INDIVIDUAL PERMIT APPLICATION SUPPLEMENTARY INFORMATION FOR INDUSTRIAL FACILITIES

Instructions: This form should be used to submit the required supplementary information for an application for an NPDES individual permit for industrial facilities. The completed application should be submitted to ADEM in duplicate. If insufficient space is available to address any item, please continue on an attached sheet of paper. Please mark "N/A" in the appropriate box when an item is not applicable to the applicant.

Please type or print legibly in blue or black ink. Mail the completed application to:

ADEM-Water Division

			P O Bo	ox 301463 omery, AL 3613	0-1463	SEP 04 2018 L
		P	URPOSE C	OF THIS APPL	ICATION	IND. N. UN BRANCH
	Initial Permit Application Modification of Existing F Revocation & Reissuance	ermit	Reis	ssuance of Ex		ty* onic Environmental (E2) Reporting must be
SE	CTION A - GENERAL INF	ORMATION				
1.	Facility Name: 3M D	ecatur				
	a. Operator Name: 3	M Company				THE THE STATE OF T
	b. Is the operator identification in the second sec	fied in A.1.a, the owner and address of the op	er of the fac erator and	cility? Submit informa		tor's scope of responsibility for the
2.	NPDES Permit Number:	AL 0 0 0 0	205	not applical	ole if initial permit applica	tion)
3.	SID Permit Number (if ap	plicable): IU		·		
4.	NPDES General Permit	Number (if applicable):	ALG			
5.	Facility Physical Location Street: 1400 State Do	William Salaman and Salaman Sa	location m	narked; street	, route no. or other spe	ecific identifier)
	City: Decatur	County:_N	lorgan		State: Alabama	_{Zip:} 35601
	Facility Location (Front G				Longitude:{	
6.	Facility Mailing Address:	P.O. Box 2206				
0.	City: Decatur	County:_N	lorgan		State: Alabama	_{Zip:} 35609
7.	Responsible Official (as of Name and Title:	described on the last p	age of this			
	Address: 1400 State	Docks Road				
	City: Decatur		St	ate: Alabam	а	Zip: 35601
	Phone Number: (256)	552-6300	Ema	ail Address:	lhowell@mmm.cor	n
8.	Designated Facility Conta		2 2 2			
	Name and Title: Stace				olond@mmm as=	
	Phone Number: (256)	22-0208	Fm:	ail Address. SI	oland@mmm.com	

ADEM Form 187 10/17 m5

9.	Designated Discharge Monitoring Report (DMR) Contact: Name and Title: Stacee Bland, Environmental Engineer
	Phone Number: (256) 552-6208 Email Address: sbland@mmm.com
10	Type of Business Entity:
10.	■ Corporation
44	
11.	Complete this section if the Applicant's business entity is a Corporation a) Location of Incorporation: Address: 3M Center
	City: St Paul County: Ramsey State: MN Zip: 55144-1000
	b) Parent Corporation of Applicant: Name: None
	Address:
	c) <u>Subsidiary Corporation(s) of Applicant</u> : Name: None
	Address:
	City:State:Zip:
	d) <u>Corporate Officers</u> : Name: A list of 3M Corporate officers can be found at the following website: Address: http://investors.3m.com/governance/corporate-officers/default.aspx
	City: Zip:
	Name:
	Address:
	City:State:Zip:
	e) Agent designated by the corporation for purposes of service: Name: Not applicable
	Address:
	City:State:Zip:
12.	If the Applicant's business entity is a Partnership, please list the general partners. Not applicable Name:
	Address: Address:
	City:State:Zip:

Name: Not applicable		
Address:		
City:	State:	Zip:
Permit numbers for Applicant's previous Permits presently held by the Applica	iously issued NPDES Permits and identific ant, its parent corporation, or subsidiary co	cation of any other State of Alabama Environment porations within the State of Alabama:
Permit Name	Permit Number	Held By
NPDES Permit	AL0000205	3M Company
Title V Air Permit	712-0009	3M Company
RCRA Facility Number	ALD004023164	3M Company
Identify all Administrative Complaints if any, against the Applicant, its pare (attach additional sheets if necessary Facility Name	nt corporation or subsidiary corporations w /):	ative Orders, or Litigation concerning water pollurithin the State of Alabama within the past five your faction and the past five your faction.
if any, against the Applicant, its pare (attach additional sheets if necessary	nt corporation or subsidiary corporations w /):	vithin the State of Alabama within the past five ye
if any, against the Applicant, its pare (attach additional sheets if necessary	nt corporation or subsidiary corporations w /):	vithin the State of Alabama within the past five ye
if any, against the Applicant, its pare (attach additional sheets if necessary	nt corporation or subsidiary corporations w /):	vithin the State of Alabama within the past five ye
if any, against the Applicant, its pare (attach additional sheets if necessary Facility Name ECTION B – BUSINESS ACTIVITY Indicate applicable Standard Industrial portance:	nt corporation or subsidiary corporations w /): Permit Number Type or	vithin the State of Alabama within the past five ye
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Facility Name Facility Name ECTION B – BUSINESS ACTIVITY Indicate applicable Standard Industrial portance: a. See Attachment 187-1 b c	nt corporation or subsidiary corporations w /): Permit Number Type or	

		Industrial	Categories	
	Aluminum Forming		Metal Molding and Casting	
n	Asbestos Manufacturing		Metal Products	
	Battery Manufacturing			
n	Can Making	Ī	Nonferrous Metals Manufacturi	ng
00000000000	Canned and Preserved Fruit and Veget		Oil and Gas Extraction	9
Ħ	Canned and Preserved Seafood		Organic Chemicals Manufactur	ing
Ħ	Cement Manufacturing	i	Paint and Ink Formulating	9
Ħ	Centralized Waste Treatment	ä	Paving and Roofing Manufactur	ring
H	Carbon Black	ä	Pesticides Manufacturing	illig
H		H	Petroleum Refining	
H	Coal Mining	H		
H	Coil Coating		Phosphate Manufacturing	
H	Copper Forming		Photographic	
	Electric and Electronic Components Ma		Pharmaceutical	
닏	Electroplating		Plastic & Synthetic Materials	
닏	Explosives Manufacturing		Plastics Processing Manufactur	ring
Ц	Feedlots		Porcelain Enamel	
	Ferroalloy Manufacturing		Pulp, Paper, and Fiberboard Ma	anufacturing
	Fertilizer Manufacturing	0	Rubber	
	Foundries (Metal Molding and Casting)		Soap and Detergent Manufactu	ring
	Glass Manufacturing		Steam and Electric	
	Grain Mills		Sugar Processing	
	Gum and Wood Chemicals Manufactur	ng 🗖	Textile Mills	
	Inorganic Chemicals		Timber Products	
	Iron and Steel		Transportation Equipment Clea	ning
0000000000000	Leather Tanning and Finishing		Waste Combustion	
	Metal Finishing	•	Other (specify) Plastics Mold	ling and Forming
	Meat Products			
See	Attachment 187-1			<u></u>
-				
CTION	C – WASTEWATER DISCHARGE INFO	PRMATION		
cilities	hat checked activities in B.2 and are con-	sidered Categoric	cal Industrial Users should skip to	C.2 of this section.
flow	Ion-Categorical Users Only: Provide w schematic (Figure 1), enter the descript ment units as well as monitoring and d	ion that corresp	onds to each process. (The flow	v schematic should include
	(gals	? Months s/day)	Highest Flow Year of Last 5 (gals/day)	Discharge Type (batch, continuous,
F	Process Description Highest Mo	nth Avg. Flow	Monthly Avg. Flow	intermittent)
Not a	oplicable			
A TOTAL PROPERTY.			The state of the s	
5 1111				-
<u> </u>			<u> </u>	
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-				8

2. If your facility conducts or will be conducting any of the processes listed below (regardless of whether they generate wastewater,

Regulated Process See Attachment 187-2 Last 12 Months (gals/day), (lbs/day), etc. Highest Flow Year of Last 5 (gals/day), (lbs/day), etc. Highest Month Average* * Reported values should be expressed in units of the applicable Federal production-based standard. For example, flow (MGD), production (pounds per day), etc. batch discharge occurs or will occur, indicate: [new facilities may estimate.] a. Number of batch discharges: Variable Variable Variable [GPD] Type of Discharge Flow (batch, continuous, intermittent) Discharge Type (batch, continuous, intermittent) Pischarge Flow (batch, continuous, intermittent) Discharge Type (batch, continuous, intermittent) Pischarge Flow (batch, continuous, intermittent) Discharge Type (batch, continuous, intermittent) Pischarge Flow (batch, continuous, intermittent) Discharge Flow (batch, continuous, intermittent) Pischarge Flow (batch, continuous, intermittent) Discharge Type (batch, continuous, intermittent) Pischarge Flow (batch, continuous, intermittent) Discharge Type (batch, continuous, intermittent) Pischarge Flow (batch, continuous, intermittent) Discharge Type (batch, continuous, intermittent) Pischarge Type (batch, continuous, intermittent) Pischarge Flow (batch, continuous, intermittent) Discharge Type (batch, continuous, intermittent) Pischarge Type (batch, continuous, intermittent) Discharge Type (batch, continuous, intermittent) Pischarge Type (batch, continuous, intermittent) Discharge Type (batch, continuous, intermittent) Pischarge Type (batch, continuous, intermittent)	a.	Number of batch dischar	ges: Not appli	cable r	per day		
(days of week) (hours of day) d. Flow rate:	b.	Average discharge per b	atch:		- (GPD)		
d. Flow rate:gallons/minute e. Percent of total discharge:	C.	Time of batch discharges	S				
e. Percent of total discharge: Non-Process Discharges (e.g., non-contact cooling water)			(days of	week)	(hours of	day)	
Non-Process Discharges (e.g., non-contact cooling water) Not applicable Complete this Section only if you are subject to Categorical Standards and plan to directly discharge the associated astewater to a water of the State. If Categorical wastewater is discharged exclusively via an indirect discharge to a public or invately-owned treatment works, check "Yes" in the appropriate space below and proceed directly to part 2.c. Yes For Categorical Users: Provide the wastewater discharge flows or production (whichever is applicable by the effluent guidelines) each of your processes or proposed processes. Using the process flow schematic (Figure 1, pg 14), enter the description corresponds to each process. [New facilities should provide estimates for each discharge.] Regulated Process See Attachment 187-2 Last 12 Months (gals/day), (lbs/day), etc. Highest Month Average* Last 12 Months (gals/day), (lbs/day), etc. Highest Flow Year of Last 5 (gals/day), (lbs/day), etc. Highest Month Average* *Reported values should be expressed in units of the applicable Federal production-based standard. For example, flow (MGD), production (pounds per day), etc. batch discharge occurs or will occur, indicate: [new facilities may estimate.] a. Number of batch discharges: Variable per day Variable QGPD Categorical Users: Variable Variable Qallons/minute	d.	Flow rate:		gallons/r	ninute		
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Variable	c.	Time of batch discharges			11.	day)	-
Variable	d.	Flow rate: Variable		gallons/r	ninute		
	e.	Percent of total discharge	. Variable				

If batch discharge occurs or will occur, indicate: [new facilities may estimate.]

Variable		y Avg. Flow interm	(batch, continuous, intermittent)
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tch discharge occurs or will occur, indicate: [new factors of with the control of			
Variable	cilities may estimate 1		
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b. Average discharge per batch:	(GPD)		
c. Time of batch discharges Sun-Sat (days of week	at 0:00-24:00	rs of day)	
		s or day)	
d. Flow rate: Variable Variable	_ gallons/minute		
e. Percent of total discharge:			
	Last 12 Months	Highest Flow Year of Last	5
Non-Process Discharges (e.g. non-contact cooling water)	(gals/day) Highest Month Avg. Flow	(gals/day) Monthly Avg. Flow	
See Attachment 187-2			
For each shared outfall, provide the following: Applicant's Outfall No. Not applicable	acility NPDES Permit No.	Where is sample co by Applicant	
Do you have, or plan to have, automatic sampling e	equipment or continuous wa	astewater flow metering equipment	at this racility
Do you have, or plan to have, automatic sampling e			at this facility
Current: Flow Met		astewater flow metering equipment No N/A No N/A	at this facility
Current: Flow Meters	ering Yes Equipment Yes	No N/A N/A	t at this facility
Current: Flow Meter Sampling Planned: Flow Meter	tering Yes Equipment Yes Yes	No	t at this facility
Current: Flow Meter Sampling Planned: Flow Meter Sampling	tering Yes Equipment Yes Equipment Yes Equipment Yes	No	
Current: Flow Meter Sampling Planned: Flow Meter	tering Yes Equipment Yes Equipment Yes Equipment Yes	No	
Current: Flow Mete Sampling Planned: Flow Mete Sampling If so, please attach a schematic diagram of the sew	rering Yes Carering Yes Carering Yes Carering Yes Carering Yes Carer system indicating the present of the prese	No N/A No N/A No N/A No N/A No N/A esent or future location of this equip	oment and des
Current: Flow Mete Sampling Planned: Flow Mete Sampling If so, please attach a schematic diagram of the sew the equipment below: Continuous flow monitoring is used on DSN 001, 00	tering Yes Equipment Yes Equipment Yes Equipment Yes Equipment Yes Ever system indicating the present of A, and 001C. Portable ISC is currently provided at DSI	No N/A No N/A No N/A No N/A No N/A esent or future location of this equip CO samplers are used to collect co	oment and des
Current: Flow Meter Sampling Planned: Flow Meter Sampling If so, please attach a schematic diagram of the sew the equipment below: Continuous flow monitoring is used on DSN 001, 00 at these three locations. Continuous pH monitoring is the equipment below: Are any process changes or expansions planned decreases.	gering Yes	No N/A No N/A No N/A No N/A No N/A CO samplers are used to collect con N 001. hat could alter wastewater volumes	oment and des

		Trade Name			Chemical Com	position	- 3477.7
See	Attachment 18	7-3					
or each biod	ide and/or corre	osion inhibitor use	d, please include the fol	owing inform	nation:		
(2) quai (3) freq (4) prop	nately reach, ntities to be use uencies of use, losed discharge		or organisms representa	tive of the bid	ota of the waterway	into which the discharg	e will
	- WATER SUP	PLY ny as are applical	ble):				
	ate Well	lly do allo applicat	5,6).	■ S	urface Water		
■ Mun	icipal Water Uti	lity (Specify City):			ther (Specify):		
IF MORI	THAN ONE W	ELL OR SURFAC	CE INTAKE, PROVIDE	DATA FOR I	EACH ON AN ATT	ACHMENT	No.
	2.6 MGD*		MGD* Well Depth:				
A STATE OF		A 50 50					
			Intake Elevation				
Intake El	evation: 538.3	Ft. Latitue	de: 34.648762 L	onaitude: -0/	201162		
Name of	Surface Water		ee River (Wheeler Lake)				
	Surface Water Million Gallon	Source: Tennesse					
* MGD – Cooling Wat Complete D. another indu 1. Does (If ye	Million Gallon er Intake Struc 1 and D.2 if your interpretation of the provider of second in the provider of t	Source: Tennesses s per Day ture Information ur water supply i lity, etc) your source water	ee River (Wheeler Lake) is provided by an outsi r operate a surface wate	de source ar r intake? Ye	and not by an onsi		re? (e.g.,
* MGD – Cooling Wat Complete D. nother indu 1. Does (If ye	Million Gallon er Intake Struc 1 and D.2 if your interpretation of the provider of second in the provider of t	Source: Tennesses s per Day ture Information ur water supply i lity, etc) your source water	ee River (Wheeler Lake) is provided by an outsi r operate a surface wate	de source ar r intake? Ye	and not by an onsi		re? (e.g.
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* MGD - Cooling Wat Complete D. another indu 1. Does (If ye a) N c) L 2. Is the	er Intake Struct 1 and D.2 if your stry, municipathe provider of s, continue, if no ame of Provide atitude: 34.6041	Source: Tennesses s per Day ture Information ur water supply i lity, etc) your source water o, go to Section E. Decatur Utilities	ee River (Wheeler Lake) is provided by an outsite operate a surface water.) Longitude: -86.9607	de source ar intake? Ye b) Loc	and not by an onsi es ■ No □ cation of Provider: □	Decatur, Alabama or human consumption o	
* MGD - Cooling Wat Complete D. another indu 1. Does (If ye a) N c) L 2. Is the provid	er Intake Struct 1 and D.2 if your interpretation of the provider of some of Provide attitude: 34.6041 provider a publices only treated	s per Day ture Information ur water supply i lity, etc) your source water o, go to Section E. Decatur Utilities water system (do water, not raw water u have a cooling	ee River (Wheeler Lake) is provided by an outsite operate a surface water.) Longitude: -86.9607	de source ar intake? Ye b) Locals	es No Cation of Provider:	Decatur, Alabama or human consumption o	r which
* MGD - Cooling Wat Complete D. another indu 1. Does (If ye a) N c) L 2. Is the provid Conly to be cond does no	Million Gallon er Intake Struct 1 and D.2 if you estry, municipathe provider of secontinue, if not ame of Provide attitude: 34.6041 provider a publices only treated to treat the raw	Source: Tennesses s per Day ture Information ur water supply i lity, etc) your source water o, go to Section E. Decatur Utilities 96 c water system (do water, not raw water u have a cooling water.	ee River (Wheeler Lake) is provided by an outsite operate a surface water.) Longitude: -86.9607* efined as a system which ter)? Yes No	de source ar intake? Ye b) Locals	es No Cation of Provider:	Decatur, Alabama or human consumption o	r which
* MGD - Cooling Wat Complete D. Inother indu 1. Does (If ye a) N c) L 2. Is the provid Only to be cond does not 3. Is an 4. Using	Million Gallon er Intake Struct 1 and D.2 if you estry, municipate the provider of s, continue, if no ame of Provide atitude: 34.6041 provider a publices only treated completed if you tent the raw y water withdraw g the average m	Source: Tennesses s per Day ture Information ur water supply is lity, etc) your source water o, go to Section E. Decatur Utilities 96 water system (decater, not raw water) u have a cooling water.	ee River (Wheeler Lake) is provided by an outsite operate a surface water.) Longitude: -86.9607 efined as a system which ter)? Yes No water intake structure e water used for cooling ents over any 12-month	de source ar intake? Ye b) Locals provides w (If yes, go to or the provi	and not by an onsi es No Cation of Provider: cation of Provider: cater to the public for Section E, if no, condider of your water No	Decatur, Alabama or human consumption of the continue.) supply uses an intake	r which structure
* MGD - Cooling Wat Complete D. Inother indu 1. Does (If ye a) N c) L 2. Is the provid Only to be cond does no 3. Is an 4. Using used 5. Does	Million Gallon er Intake Struct 1 and D.2 if you estry, municipa the provider of s, continue, if no ame of Provide atitude: 34.6041 provider a publices only treated completed if you t treat the raw y water withdraw g the average me exclusively for the cooling water	Source: Tennesses s per Day ture Information ur water supply is lity, etc) your source water o, go to Section E. Decatur Utilities 96 water system (de water, not raw water u have a cooling water. who from the source conthly measurement cooling purposes?	te River (Wheeler Lake) is provided by an outsite operate a surface water.) Longitude: -86.9607 efined as a system which ter)? Yes No water intake structure e water used for cooling opents over any 12-month or 100 % ed effluent that would ot	de source a r intake? Ye b) Loc 8 n provides w (If yes, go to or the provi	and not by an onsignation of Provider: cation of Provider: cater to the public for Section E, if no, consider of your water. No commately what perconsider.	Decatur, Alabama or human consumption of ontinue.) supply uses an intake centage of water withdra	r which structure
* MGD - Cooling Wat Complete D. another indu 1. Does (If ye a) N c) L 2. Is the provid Only to be cond does not 3. Is any 4. Using used 5. Does (If ye)	Million Gallon er Intake Struct 1 and D.2 if you estry, municipal the provider of s, continue, if no ame of Provide atitude: 34.6041 provider a publices only treated completed if you tend the raw y water withdraw y water withdraw g the average m exclusively for the cooling wat s, go to Section	Source: Tennesses s per Day ture Information ur water supply is lity, etc) your source water o, go to Section E. Decatur Utilities 96 water system (do water, not raw water, not raw water) u have a cooling water. who from the source conthly measurement on the source conting purposes? er consist of treat E, if no, complete	te River (Wheeler Lake) is provided by an outsite operate a surface water.) Longitude: -86.9607 efined as a system which ter)? Yes No water intake structure e water used for cooling opents over any 12-month or 100 % ed effluent that would ot	de source a r intake? Ye b) Loc 18 n provides w (If yes, go to or the provi ? Yes period, approherwise be de	and not by an onsignation of Provider: cation of Provider: cater to the public for Section E, if no, consider of your water. No commately what perconsider.	Decatur, Alabama or human consumption of ontinue.) supply uses an intake	r which structure

ADEM Form 187 10/17 m5

Page 7 of 11

7. Wł	nen was the intake installed?	ootwation/installation	fintalia samu	analta including assessed	
	ease provide dates for all major co		or intake comp	onents including screens)	
8. Wh	nat is the maximum intake volume aximum pumping capacity in gallo	ns per day)			
4000	The same of the sa	The second secon			
9. Wł (av	nat is the average intake volume? verage intake pump rate in gallons	per day average in any	30-day perio	d)	
10.W	nat is the actual intake flow (AIF) a	s defined in 40 CFR §1	25.92(a)? 4.	3 MGD	
	w is the intake operated? (e.g., co				
12.W	nat is the mesh size of the screen	on your intake? 1/2 in	ch space v	vith 18 gauge stainless steel wire	
13. Wł	nat is the intake screen flow-through	ah area? 81 ft sq tota	I free space	e per sump. 5400 gpm pump in each s	sump
	nat is the through-screen design in			ec (at Low Water Level - 550 ft MSL)	
	nat is the through-screen actual ve			(at NWL - 556 ft MSL & AIF)	
				eaning) Quarterly PM to clean by taking ou	ıt of
				service and washing off to remove	debris
	you have any additional fish detra				
	ve there been any studies to deter ovide.)	mine the impact of the	intake on aqu	atic organisms? Yes No (If yes, plea	se
19. Att	ach a site map showing the location	on of the water intake in	relation to the	e facility, shoreline, water depth, etc. See Fig	ure 1-1
at the facili	ition:		e possible, the	e location should be noted on a map and include	led with
	Description of Waste			Description of Storage Location	
This in	nformation is contained in EPA form	2F and the referenced	attachments	from that form.	<u> </u>
	100				
	description of the location of the retreatment system located at the f		s of solid or I	iquid waste by-products (such as sludges) fr	om any
	Description of Waste	Quantity (lbs/d	lay)	Disposal Method*	
	See Attachment 187-4	The same of the sa			-
3	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	THE STATE OF		and the substitute in a second second	
					L 16
	s are sent to an off-site centraliz			ent facility and which are disposed of on-si y the waste and the facility.	ie. II
SECTION	F – COASTAL ZONE INFORMAT	ION			
Is the	discharge(s) located within the 10-	foot elevation contour a	and within the	limits of Mobile or Baldwin County? Yes	■ No
	complete items F.1 – F.12:				avride:
1. [Ones the project require new cons	truction?		<u>Yes</u>	No
2. \	will the project be a source of new	air emissions?			

ADEM Form 187 10/17 m5 Page 8 of 11

		103	140
3.			
	If Yes, has the Corps of Engineers (COE) permit been received? COE Project No		
4.	Does the project involve wetlands and/or submersed grassbeds?		
5.			
	If Yes, include a map showing project and discharge location with respect to oyster reefs		
6.	Does the project involve the site development, construction and operation of an energy facility as defined in ADEM Admin. Code r. 335-8-102(bb)?		
7.	Does the project involve mitigation of shoreline or coastal area erosion?		
8.	Does the project involve construction on beaches or dune areas?		
9.	Will the project interfere with public access to coastal waters?		
10	Does the project lie within the 100-year floodplain?		
	Does the project involve the registration, sale, use, or application of pesticides?		
12	2. Does the project propose or require construction of a new well or to alter an existing groundwater well to pump more than 50 gallons per day (GPD)?		
	If yes, has the applicable permit for groundwater recovery or for groundwater well installation been obtained?		
SECTIO	ON G – ANTI-DEGRADATION EVALUATION		
provided further in 1. Is thi	rdance with 40 CFR §131.12 and the ADEM Admin. Code r. 335-6-1004 for anti-degradation, the following information. It is the applicant's responsibility to demonstrate the social and economic importance of the propresentation is required to make this demonstration, attach additional sheets to the application. is a new or increased discharge that began after April 3, 1991? Yes No	mation posed a	must be ctivity. If
2. Has	s, complete G.2 below. If no, go to Section H. an Anti-Degradation Analysis been previously conducted and submitted to the Department for the new or increa	sed disc	:harge
If ye 335-	renced in G.1? Yes No es, do not complete this section. If no, and the discharge is to a Tier II waterbody as defined in ADEM 6-1012(4), complete G.2.A – G.2.F below and ADEM Forms 311 and 313 (attached). ADEM Form 313 must a alternative considered technically viable.	Admin. be prov	Code r. ided for
Infor	mation required for new or increased discharges to high quality waters:		
A.	What environmental or public health problem will the discharger be correcting?		
В.	How much will the discharger be increasing employment (at its existing facility or as the result of locating a new	/ facility)	?
C.	How much reduction in employment will the discharger be avoiding?		
D.	How much additional state or local taxes will the discharger be paying?		
E.	What public service to the community will the discharger be providing?		
F.	What economic or social benefit will the discharger be providing to the community?		

ADEM Form 187 10/17 m5 Page 9 of 11

SECTION H - EPA Application Forms

All Applicants must submit EPA permit application forms. More than one application form may be required from a facility depending on the number and types of discharges or outfalls found. The EPA application forms are found on the Department's website at http://www.adem.alabama.gov/programs/water/waterforms.cnt. The EPA application forms must be submitted in duplicate as follows:

- 1. All applicants must submit Form 1.
- 2. Applicants for existing industrial facilities (including manufacturing facilities, commercial facilities, mining activities, and silvicultural activities) which discharge process wastewater must submit Form 2C.
- 3. Applicants for new industrial facilities which propose to discharge process wastewater must submit Form 2D.
- 4. Applicants for new and existing industrial facilities which discharge only non-process wastewater (i.e., non-contact cooling water and/or sanitary wastewater) must submit Form 2E.
- 5. Applicants for new and existing facilities whose discharge is composed entirely of storm water associated with industrial activity must submit Form 2F, unless exempted by § 122.26(c)(1)(ii). If the discharge is composed of storm water and non-storm water, the applicant must also submit Forms 2C, 2D, and/or 2E, as appropriate (in addition to Form 2F).

SECTION I - ENGINEERING REPORT/BMP PLAN REQUIREMENTS

See ADEM 335-6-6-.08(i) & (j)

SECTION J- RECEIVING WATERS

Outfall No.	Receiving Water(s)	303(d) Segment?	Included in TMDL?*
DSN 001	Tennessee River (Wheeler Lake)	■ Yes □No	☐ Yes ■No
		☐ Yes ☐ No	☐ Yes ☐ No
		☐ Yes ☐ No	☐ Yes ☐ No
		☐ Yes ☐ No	☐ Yes ☐ No
	A CONTRACTOR OF CONTRACTOR	☐ Yes ☐ No	☐ Yes ☐ No

^{*}If a TMDL Compliance Schedule is requested, the following should be attached as supporting documentation:

- (1) Justification for the requested Compliance Schedule (e.g. time for design and installation of control equipment, etc.);
- (2) Monitoring results for the pollutant(s) of concern which have not previously been submitted to the Department (sample collection dates, analytical results (mass and concentration), methods utilized, MDL/ML, etc. should be submitted as available);
- (3) Requested interim limitations, if applicable;
- (4) Date of final compliance with the TMDL limitations; and,
- (5) Any other additional information available to support requested compliance schedule.

ADEM Form 187 10/17 m5 Page 10 of 11

SECTION K - APPLICATION CERTIFICATION

The information contained in this form must be certified by a responsible official as defined in ADEM Administrative Code r. 335-6-6-.09 "signatories to permit applications and reports" (see below).

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations."

Signature of Responsible Official:	II, Site Manager	Date Signed: 08/28/2018
	pplication is <u>not</u> identified in Section A.7, provide t	
Mailing Address:		
City:	State:	Zip:
Phone Number:	Email Address:	

335-6-6-.09 SIGNATORIES TO PERMIT APPLICATIONS AND REPORTS.

- (1) The application for an NPDES permit shall be signed by a responsible official, as indicated below:
 - (a) In the case of a corporation, by a principal executive officer of at least the level of vice president, or a manager assigned or delegated in accordance with corporate procedures, with such delegation submitted in writing if required by the Department, who is responsible for manufacturing, production, or operating facilities and is authorized to make management decisions which govern the operation of the regulated facility;
 - (b) In the case of a partnership, by a general partner;
 - (c) In the case of a sole proprietorship, by the proprietor; or
 - (d) In the case of a municipal, state, federal, or other public entity, by either a principal executive officer, or ranking elected official.

Attachment 187-1: Business Activity

Response to ADEM Form 187 Section B and Form 1 Section XII

The ADEM and federal NPDES forms that reference this attachment request information on the Standard Industrial Classification (SIC) codes for these manufacturing activities. The U.S. government established SIC codes, which were subsequently replaced by the North American Industrial Classification System (NAICS) codes, for its own purposes of gathering statistical data. The codes are used to classify establishments by their primary economic activity, and thus data can be compared for describing various industries. The codes themselves may be technically ambiguous since final products can be reasonably reported under various categories. The conversion from SIC to NAICS codes further complicated these descriptions since multiple cross-references may be applied. Finally, the determination of the primary activity may be difficult for those sites that manufacture many different products. Discussion on applicable SIC/NAICS codes for each manufacturing activity are provided in following sections. All manufacturing activities wastewaters combine and are treated in the Site Wastewater Treatment facility.

A. Chemicals Manufacturing

1. Facility Description

The chemicals manufactured include a wide variety of semi-finished chemical products in flexible batch processing equipment. These products include adhesives, coatings, and other specialty chemicals. Many of these products are utilized at other 3M facilities to manufacture finished products. The process equipment typically consists of a group of reactors which can be reconfigured for each product. These processes use a wide range of inorganic and organic feedstocks.

The primary NAICS code that has been used to describe the primary manufacturing activities is 325520 (Adhesive Manufacturing). The SIC equivalent is 2891 (Adhesives and Sealants). This designation was determined by reviewing the pounds of products produced in the past year. Over 60% of the chemicals manufactured in 2017 were classified as adhesives.

2. Review of Effluent Guidelines

Wastewaters from these operations are produced from vacuum system operation, equipment cleaning, and various other processes.

In reviewing the potential applicability of categorical treatment standards to the chemical manufacturing activities based on the primary SIC code (2891), 3M

does not believe that any of the effluent guidelines are applicable to the Chemical Manufacturing operations at the facility.

SIC codes applicable to 40 CFR 414, Organic Chemicals, Plastics and Synthetic Fibers (OCPSF), include: 2821, 2823, 2824, 2865, and 2869. 3M Decatur does not claim any of these SIC codes for its Chemicals Manufacturing facility. Therefore, the provisions of 414 do not apply.

Also, the Chemical Manufacturing activities do not manufacture Soaps and Detergents (Part 417), Pharmaceuticals (Part 439), Oil-based paints (Part 446) or Oil-based Inks (Part 447), Rubber Products (Part 428) or Pesticides (Part 445), and the site is not a Centralized Wastewater Treatment Facility (Part 437).

B. Elastomers Manufacturing

1. Facility Description

The elastomers manufacturing process produces fluoroelastomers using semibatch reactions. Gaseous fluoromonomers are metered into a reactor containing hot water and polymerization initiators. When the polymerization is complete, the latex containing the fluoroelastomer is transferred for further processing. The fluoroelastomer is separated from the water in a "coagulation" operation. The coagulated solid elastomer material is washed with water to remove the remaining reaction ingredients and byproducts. Finally, the wet elastomer is dried. The "raw gum" elastomer may be mixed with cross-linking agents and other additives and packaged.

These products are reported under NAICS and SIC codes 325212 (Synthetic Rubber Manufacturing) and 2822 (Synthetic Rubber), respectively.

2. Review of Categorical Treatment Standards

Elastomers manufactures products that are latex rubbers; therefore, this process is subject to the effluent guidelines outlined in 40 CFR Part 428 - Rubber Manufacturing Point Source Category, Subpart D - Latex Rubber Subcategory.

C. Plastics Manufacturing

1. Facility Description

There are two separate activities included in plastics manufacturing operations.

Vinylidene fluoride (VDF) monomer is produced by the dehydrohalogenation of 1-chloro-1,1 difluoroethane (HCFC-142b) in a pyrolysis furnace. The compounds exiting this process include VDF, hydrochloric acid (HCl), and various reaction byproducts. VDF is isolated in a scrubbing process which removes the HCl. VDF

is transferred to storage tanks. Light and heavy residues from the production process are stored in tanks prior to being transported off-site for disposal.

Polyvinylidene fluoride (PVDF) is a solid resin produced from the polymerization of VDF with various proprietary co-monomers. PVDF is produced in a batch polymerization process involving the introduction of VDF and co-monomers with other additives introduced into a heated reactor. Other reactants and/or catalysts are added as necessary to complete the process. PVDF manufacturing operations also include a compounding process that utilizes cooling water as a part of a pelletizing operation. These materials are transferred off-site.

The HCl from the scrubbing process and caustic solutions that are generated during the above described activities may be treated in 3M's wastewater treatment plant. Alternatively, these by-product streams may be transferred to an on-site treatment facility, currently operated by a third-party vendor, that are collocated with 3M's VDF/PVDF manufacturing operations. For the most part, HCl from these operations is transferred to off-site locations for a variety of industrial uses.

VDF monomer production is classified under the NAICS and SIC codes 325998 (All Other Miscellaneous Chemical Product and Preparation Manufacturing) and 2869 (Industrial Organic Chemicals, Not elsewhere classified), respectively. PVDF polymer manufacturing operations are classified under the NAICS and SIC codes 325211 (Plastics Material and Resin Manufacturing) and 2821 (Plastic Materials and Resins), respectively.

2. Review of Effluent Guidelines

Both 2821 and 2869 are listed as applicable SIC codes that are covered under 40 CFR Part 414 - Organic Chemicals, Plastics, and Synthetic Fibers (OCPSF). VDF production is subject to Subpart H - Specialty Organic Chemicals, while PVDF production is subject to Subpart D - Thermoplastic Resins.

The wastewaters of these operations are discharged through internal outfall DSN 001C.

D. Film Manufacturing

1. Facility Description

This facility manufactures a broad range of specialty films. Most of these films are manufactured from polyester resin. The primary products manufactured include multi-layer optical film and extrusion coated film. Some of these films may be used at other 3M locations to produce a variety of finished products.

Resins that are both purchased and manufactured onsite, as well as other additives, are conveyed to extruders which produce a plastics sheet that is further

processed to produce specific thicknesses and other performance characteristics. Some of the films may be coated with various solutions depending upon the specific product end use. Finally, various converting operations may be used to produce desired film widths. Many of the production processes at the plant incorporate recycling operations that are intended to recover and reuse film that is lost during the manufacturing processes.

The primary activity of these operations has been described under NAICS code 326113 (Unlaminated Plastics Film and Sheet (except Packaging) Manufacturing). The equivalent SIC code for this manufacturing is 3081 (Unsupported Plastics Film and Sheet).

2. Review of Effluent Guidelines

40 CFR 463, Plastics Molding and Forming, includes pretreatment regulations for processes that produce wastewater from plastics molding forming processes including extrusion, molding, coating and laminating, thermoforming, calendaring, casting, foaming, cleaning, and finishing.

The film manufacturing operations at 3M Decatur do not produce wastewater that contacts resin/film products during shaping and do not discharge wastewater generated by the cleaning of equipment used to shape the film. The manufacturing operations also do not discharge wastewater from the film coating process. Only wastewater that does not directly contact the film or shaping equipment is discharged. Therefore, part 40 CFR Part 463 does not apply to the facility.

E. Resin Manufacturing

1. Facility Description

Resin manufacturing operations produce a majority of the polyester resin utilized in the onsite film manufacturing process. The resin is manufactured in chemical processing equipment with the primary raw materials being ethylene glycol and dimethylterephthate or terephthalic acid. The manufacturing processes which are employed to produce the different resin products are very similar. Catalysts and other additives and resins may also be added to the process depending on the specific resin that is being manufactured. The molten plastic material is pelletized and cooled in a water bath before being conveyed to storage silos.

These operations would be classified under SIC code 2821 (Plastics Materials and Resins). The corresponding NAICS Code is 325211 (Plastics Material and Resin Manufacturing).

2. Review of Effluent Guidelines

Wastewaters that are generated in these operations include wastewater from air pollution control scrubbers, vacuum systems, and area clean-up. Water is also utilized in a closed loop piece of equipment to cool the molten polyester. Wastewater is generated when the system is drained for cleaning purposes.

Approximately 60% of the resin produced at the facility is used onsite in film manufacturing. Because of this, these resin manufacturing activities are subject to 40 CFR Part 463 - Plastics Molding and Forming, Subpart A - Contact Cooling and Heating.

Attachment 187-2: Wastewater Discharge Information

Response to ADEM Form 187 Section C - 2a & 2b

Process/Facility Location	Regulated Process Activity	Applicable Category	Applicable Subpart	Type of Discharge	Last 12 Months (gal/day), (lbs/day), etc. Highest Monthly Average	Highest Flow Year of Last 5 (gal/day), (lbs/day), etc. Monthly Average
Elastomers Manufacturing	Latex Rubber Production	428	D	Batch	STATE OF STATE OF ST	MATERIAL PROPERTY.
Plastics Manufacturing	VDF and PVDF Production	414	H,D	VDF - Continuous PVDF - Batch	100,000 gal/day	160,000 gal/day
Resin Manufacturing	Polyester Resin Production	463	А	Batch	125,000 gal/day	150,000 gal/day

Response to ADEM Form 187 Section C - 2c & 2d

Non-Categorical Process Description	Last 12 Months (gal/day) Highest Monthly Average	Highest Flow Year of Last 5 (gal/day) Monthly Average		
Film Manufacturing	375,000	650,000		
Chemicals Manufacturing	900,000	1,100,000		
Utilities	140,000	200,000		
Sanitary	20,000	20,000		
Groundwater	30,000	30,000		
Noncontact Cooling Water Usage	4,300,000	5,500,000		

Values listed in this section are general estimates

Attachment 187-3: Biocides and Corrosion Inhibitors Response to ADEM Form 187 Section C.6

Trade Name	Chemical composition	Quantity Used (Ibs/day)	Frequency of Use	Aquatic Toxicity Values (species used in WET testing)	Proposed Discharge Concentations (mg/l)**	Comments	
Spectrus OX103	80% BROMO-CHLORO, 5,5-DIMETHYL HYDANTOIN	5	continuous	Fathead minnow: 2.43 mg/L daphnia magna: 0.49 mg/l*	0.09	Active ingredient will hydrolize t biodegradable compounds.	
	5% magnesium nitrate			Fathead minnow: 6.6 mg/L		Some of the active ingredients a	
Spectrus NX1106	5% isothiazolin	10	4x/week	Daphnia magna: 2.9 mg/l*	0.11	readily biodegradable and shoul be reduced in wastewater treatment.	
Bleach	sodium hypochlorite	57	continuous	Fathead minnow: 5.6 mg/L	Not applicable	The active ingredient will be totally consumed either during	
y state some or state of the st		19990		daphnia magna: 1.6 mg/l*		use or during wastewater transmission and treatment.	
	15% chlorotolytriazole		continuous	Fathead minnow: 135 mg/L			
Inhibitor AZ8104	10% dichlorotolytriazole 2.5% benzotriazole	10		daphnia magna: 217 mg/l*	1.00	Some biodegradation of active ingredient is possible.	
	2.5% NaOH			ceriodaphnia: 124 mg/l*		ingredient is possible.	
124 141000410359101	2 2 1 7 77	42	continuous	Fathead minnow: 1000 mg/L			
Flogard MS6214	potassium hydroxide	17		daphnia magna: 1000 mg/l*	NA	Neutralized to potassium salt.	
Garage GN0110	2.5% chlorotolytriazole	26		Fathead minnow: 250 mg/L	1.00		
Gengard GN8118	2.5% NaOH	36	continuous	daphnia magna: 1569 mg/l*	1.00	Some neutralization	
Concord CN0115	7% acrylate terpolymer	36	acutinuaus	Fathead minnow: 502 mg/L	0.67	Some biodegradation expected in	
Gengard GN8115	1% chlortriazole	36	continuous	daphnia magna: 2549 mg/l*	0.67	activated sludge system	
Corrshield NT402	30% sodium nitrate	10	2x/year	Fathead minnow: 1072 mg/L	0.05	Boric acid will be neutralized	
Corrsmeia N1402	5% boric acid	10	2x/year	daphnia magna: 38 mg/l*	0.03	during wastewater treatment.	
Corrshield MD4100	20% Nitrate	25	4x/year	Fathead minnow: 2730 mg/L	0.05		
Consilied MD4100	20% Niti ate	23	4x/year	daphnia magna: 5997 mg/l*	0.03		
Steamate NF770	dimethylaminopropylamine (27%)	4	continuous	Fathead minnow: 10.3 mg/L	0.07	Significant biodegradation of these materials is expected in the	
Steamate NF770	3-methoxypropylamine (15%)	**	Continuous	daphnia magna: 3.3 mg/l*	0.07	site activated sludge system	

^{* 48-}hour medium tolerance value

^{**} Discharges of wastewaters that contain these materials are sent to the site's wastewater treatment system. Many of the materials on this list are acids or bases that will be neutralized to salts in the wastewater treatment system. These may be listed as NA in this column. The active ingredients for most of the remaining compounds will be eliminated due a variety of mechanisms including hydrolysis and biodegradation. However, in determining the estimated effluent concentrations it was assumed that no attenuation would occur. In all cases the estimated (unattenuated) effluent concentrations were below the relevant aquatic toxicity values. 3M can provide more specific estimates of the actual effluent concentrations at ADEM's request.

Attachment 187-4: Wastewater Treatment Sludges and Wastes

Response to ADEM Form 187 Section E

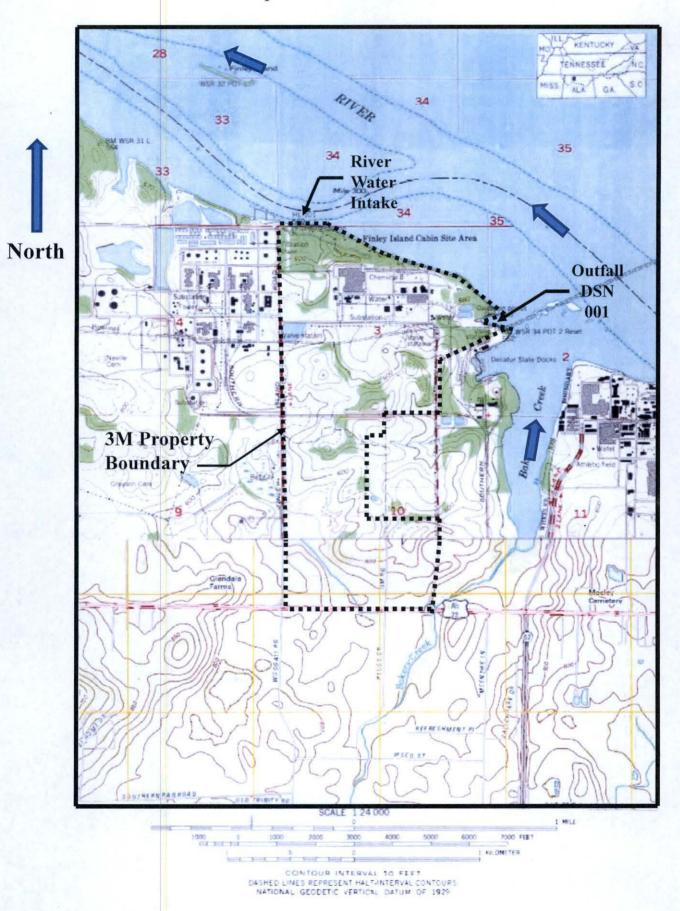
Description of Waste	Quantity (lbs/day)	Disposal Method		
Dewatered Wastewater Sludge	8200 lb/day	Off-site Landfill		
Steam Stripper Condensate	225 lb/day	Off-site Incineration		
Bar Screening waste and other misc. solids	<20 lbs/day	Off-site Landfill		
Waste Granular Activated Carbon	55 lbs/day	Regeneration by vendor		
Ion Exchange Extractant	<30 lbs/day	Off-site Incineration		

IND. MUN BRANCH

CONTINUED FROM THE FRONT	
VII. SIC CODES (4-digit, in order of priority) A, FIRST	B, SECOND
c (specify) Unsupported Plastics Film and Sheet	7 2822 (specify) Synthetic Rubber
15 16 - 19	15 16 - 19
C. THIRD	D. FOURTH
7 2891 (specify) Adhesives and Chemical Preparations	(specify) Plastics Materials and Resins
15 16 - 19	15 16 - 19
VIII. OPERATOR INFORMATION A	NAME B.Is the name listed in Item
8 3M Company	VIII-A also the owner?
15 16	✓ YES □ NO
C. STATUS OF OPERATOR (Enter the approp	riate letter into the answer box: if "Other," specify.) D. PHONE (area code & no.)
F = FEDERAL S = STATE M = PUBLIC (other than federal or	(specify) NA
S = STATE P = PRIVATE O = OTHER (specify)	A (256) 552-6010
The state of the s	56 15 6 - 18 19 - 21 22 - 26
E. STREET OR P.O. BOX	
PO Box 2206	
26	55
F. CITY OR TOWN	G. STATE H. ZIP CODE IX, INDIAN LAND
B Decatur	AL 35609 Is the facility located on Indian lands?
15 16	40 41 42 47 - 51 52
X. EXISTING ENVIRONMENTAL PERMITS	
A. NPDES (Discharges to Surface Water)	D. PSD (Air Emissions from Proposed Sources)
9 N AL0000205 9 P	
15 16 17 18 30 15 16	17 18 30
B. UIC (Underground Injection of Fluids)	E. OTHER (specify)
9 U NA 9	712-0009 (specify) Title V Operating Permit
15 16 17 18 30 15 16	
C. RCRA (Hazardous Wastes)	E. OTHER (specify)
9 R ALD004023164 9	(specify)
15 16 17 18 30 15 16	17 18 30
XI. MAP	
I location of each of its existing and proposed intake and discharge	to at least one mile beyond property boundaries. The map must show the outline of the facility, the tructures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it
injects fluids underground. Include all springs, rivers, and other surfa-	ce water bodies in the map area. See instructions for precise requirements. See Figure 1-1
XII. NATURE OF BUSINESS (provide a brief description)	AND COMMENCES OF PROPERTY AND PROPERTY OF PROPERTY.
See Attachment 187-1	
	The state of the s
VIII CERTIFICATION (**)	
XIII. CERTIFICATION (see instructions)	
inquiry of those persons immediately responsible for obtaining the in am aware that there are significant penalties for submitting false info	m familiar with the information submitted in this application and all attachments and that, based on my information contained in the application, I believe that the information is true, accurate, and complete. I mation, including the possibility of fine and imprisonment
A. NAME & OFFICIAL TITLE (type or print)	B. SIGNATURE C. DATE SIGNED
MODEL OF THE PARTY	MI / M /// M O NATE SIGNED
Michelle Howell	9/11/2 16 MARINI 108128/2018
COMMENTS FOR OFFICIAL LISE ONLY	
COMMENTS FOR OFFICIAL USE ONLY	
С	
15 16 EDA Form 2510 1 (9.00)	55
EPA Form 3510-1 (8-90)	

Figure 1-1: Topographic Map

Response to Form 1 Section XI



AL0000205

Form Approved. OMB No. 2040-0086. Approval expires 3-31-98.

Please print or type in the unshaded areas only.

FORM
2C SEPA

U.S. ENVIRONMENTAL PROTECTION AGENCY APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER

EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICULTURE OPERATIONS

Consolidated Permits Program

-		
1	OUTFAL	LLOCATION

NPDES

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. OUTFALL NUMBER	E	B. LATITUDE		C.	LONGITUDE		
(list)	1. DEG.	2. MIN.	3. SEC.	1, DEG.	2. MIN.	3. SEC.	D. RECEIVING WATER (name)
SN 001 34.00 38.00 29.00		29.00	-87.00	2.00	7.00	Tennessee River	
001A, 001B,	1						(001A, 001B, and 001C are all
and 001C							contributing outfalls; DSN 001 is the
					1000		combined discharge of all outfalls)

II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

- A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a water balance cannot be determined (e.g., for certain mining activities), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures. See Figure 2C-1
- B. For each outfall, provide a description of: (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.

1 OUT-	2. OPERATION(S) CONTR	BUTING FLOW	3. TREATMENT						
	a. OPERATION (list)	b. AVERAGE FLOW (include units)	a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1					
	See Attachment 2C-2 for this table,		e- Carlo and the same and						
	narrative description of treatment,								
	and treatment design information.								
			10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
			<u> </u>						
PY S									
	0.3								
				3 7 2 3 2 1 1 1 1 1 1 2					

OFFICIAL USE ONLY (effluent guidelines sub-categories)

SEP 04 2018

IND. MUN BRANCH

CONTINUE ON REVERSE

	S (complete the follow	The second secon	harges described in Ite	NO (go to Sec					
	Mary North	Del Unit	3. FRE	QUENCY			4. FLOW		with
1 4 1 6			a. DAYS PER		a. FLOW RA	TE //www.n	B. TOTAL		STATE OF
1. OUTFALL NUMBER (list)		PERATION(s) IBUTING FLOW (list)	WEEK (specify average)	b. MONTHS PER YEAR (specify average)	1. LONG TERM AVERAGE	2. MAXIMUM DAILY	1. LONG TERM AVERAGE	2. MAXIMUM DAILY	C. DURATIO (in days)
I. PRODUCTION									THE REAL PROPERTY.
A. Does an effluent	guideline limitation	promulgated by EPA i	under Section 304 of th	ne Clean Water	Act apply to you	ir facility?		211	
✓ YES	S (complete Item III-l	3)		NO (go to Sec	tion IV)			March 197	
✓ YES	S (complete Item III-0	C)	essed in terms of produ	NO (go to Sec	tion IV)				
 If you answered applicable efflue 	"yes" to Item III-B, nt guideline, and inc	list the quantity which dicate the affected out	represents an actual falls.	measurement of	of your level of p	production, exp	pressed in the te	erms and units	s used in the
		1. AVERAGE I	DAILY PRODUCTION				2. AFF	ECTED OUTF	ALLS
a. QUANTITY PER	R DAY b. UNITS	OF MEASURE	c. OPERATIO	ON, PRODUCT, (specify)	MATERIAL, ET	C.		t outfall number	
V. IMPROVEMENT			astomers Manufac						
treatment equipr	nent or practices or	any other environmen	uthority to meet any intal programs which ma	ay affect the dis	charges describ	ed in this appl	ication? This inc	ludes, but is r	
	s, administrative or e S (complete the follow		nforcement compliance	e schedule lette NO (go to Iter		court orders, a	nd grant or loan	conditions.	
		2. AFFECTED		_ NO go to ner	117-0)		1,5	NAL COMPLI	ANCE DATE
I. IDENTIFICATION AGREEME				3. BRIEF	DESCRIPTION	OF PROJECT			
		a. NO. b. SOURC	CE OF DISCHARGE				a. RE	QUIRED b.	PROJECTED
	ı may attach additi								

EPA I.D. NUMBER (copy from Item 1 of Form 1)

CONTINUED FROM PAGE 2 ALD000205

V. INTAKE AND EFFLUENT CHARA			
A, B, & C: See instructions before NOTE: Tables V-A, V-B,	proceeding – Complete one set of tables for each outfl and V-C are included on separate sheets numbered	all – Annotate the outfall number in the V-1 through V-9.	space provided.
D. Use the space below to list any	of the pollutants listed in Table 2c-3 of the instruction ant you list, briefly describe the reasons you believe it	s, which you know or have reason to	believe is discharged or may be discharged I data in your possession.
1. POLLUTANT	2. SOURCE	1. POLLUTANT	2. SOURCE
See Attachment 2C-3	The list of constituents is based on a review of raw material usage at the plant which could result in the presence of these materials in regulated outfalls.		
VI. POTENTIAL DISCHARGES NOT			
YES (list all such poll See Attachment 2C-4 for	a summary of quarterly NPDES permi	(go to Item VI-B) t testing for perfluoroal	Lkyl substances for outfall
DSN 001 (first quarter 2	2015 through first quarter 2018) and polyfluoroalkyl substances.	d a description of proces	s wastewater that may

EPA Form 3510-2C (8-90) PAGE 3 of 4 CONTINUE ON REVERSE

VII. BIOLOGICAL TOXICITY TESTING DA	ATA		
Do you have any knowledge or reason to	believe that any biological test for acute or chron	nic toxicity has been made on any of you	r discharges or on a receiving water in
relation to your discharge within the last 3 YES (identify the test(s) and		NO (go to Section VIII	
Whole Effluent (Acute) Toxi and pimephales.	city testing is currently condu		
	American Company of the Company of t		
VIII. CONTRACT ANALYSIS INFORMATIO	ON ERRES NO.		
Were any of the analyses reported in Item	V performed by a contract laboratory or consulting	ng firm?	
YES (list the name, address, each such laboratory or	and telephone number of, and pollutants analyzed by	NO (go to Section LX)	
A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED
Enersolv (performs sampling)	2220 Beltline Road Decatur, AL 35601	(256) 350-0846	(list) All NPDES Form 2C parameters
Pace Analytical (sample analysis)	1800 Elm Street SE	(612) 607-6400	
marysts)	Minneapolis, MN 55414		All NPDES Form 2C
	100000000000000000000000000000000000000		
			All NPDES Form 2C parameters except for PFA
			parameters except for PFA
certify under penalty of law that this docu qualified personnel properly gather and e directly responsible for gathering the inform	ment and all attachments were prepared under valuate the information submitted. Based on m nation, the information submitted is, to the best	ny inquiry of the person or persons who	parameters except for PFA
l certify under penalty of law that this docu qualified personnel properly gather and e directly responsible for gathering the inform are significant penalties for submitting false	ment and all attachments were prepared under valuate the information submitted. Based on n nation, the information submitted is, to the best a information, including the possibility of fine and	ny inquiry of the person or persons who of my knowledge and belief, true, accura d imprisonment for knowing violations.	parameters except for PFA
directly responsible for gathering the inform	valuate the information submitted. Based on n nation, the information submitted is, to the best	ny inquiry of the person or persons who	parameters except for PFA

EPA Form 3510-2C (8-90)

C. SIGNATURE

D. DATE SIGNED 08/28/2018

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (*use the same format*) instead of completing these pages. SEE INSTRUCTIONS.

EPA I.D. NUMBER (copy from Item 1 of Form 1)
AL0000205

V. INTAKE AND	EFFLUEN	T CHARACT	ERISTICS (contin	nued from page 3 o	of Form 2-C)								TFALL NO.		
PART A -You m	nust provide	the results	of at least one ana	llysis for every poll	lutant in this table	. Complete on	e table for each	outfall. See ins	structions for a	ditional details.					
					2. EFFLUE	NT				3. UN (specify i			NTAKE ptional)		
			M DAILY VALUE		MAXIMUM 30 DAY VALUE c. LON (if available)		IG TERM AVRG. VALUE (if available)		d. NO. OF	a. CONCEN-		a. LONG TERM AVERAGE VALUE		b. NO. OF	
1. POLLUTA	ANT C	(1) ONCENTRATI	ON (2) MASS	CONCENTRATION	N (2) MASS	(1) CONCE	NTRATION	(2) MASS	ANALYSES		b. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	
a. Biochemical C Demand (BOD)	Oxygen														
b. Chemical Oxy Demand (COD)															
c. Total Organic (TOC)	Carbon														
d. Total Suspend Solids (TSS)	ded	See A	ttachmer	nt 2C-3.	Only re	sults	for DSN	I 001 a	re inc	luded ir	n this	applicati	on -	001A,	
e. Ammonia (as	N)			.C are in	nternal	monito	ring st	reams	only. I	OSN 001	is the	combined			
f. Flow				or all	process	outia.	lis and	the po	oint oi	suriac	e alscr	narge.			
g. Temperature (winter)															
h. Temperature (summer)															
i. pH															
dire	ctly, or ind	irectly but ex	pressly, in an eff		uideline, you mus	st provide the	results of at le	ast one analys	is for that polli	itant. For other p	pollutants for w	umn 2a for any pollut which you mark colur			
qua		RK "X"	anadon of their pre	eserice in your disc		EFFLUENT	each outlan. Se	e trie mstruction	is for additiona		UNITS	5. INT/	AKE (option	al)	
1. POLLUTANT AND	a.	b.	a. MAXIMUM D		b. MAXIMUM 30 (if availa		ATTOCKED TO STORE A CONTRACTOR	RM AVRG. VAL	UE			a. LONG TERM A			
CAS NO. (if available)	BELIEVED PRESENT	BELIEVED	(1) CONCENTRATION		(1) CONCENTRATION	(2) MASS	(1) CONCENTRAT		d. NO. 6 ANALYS			(1)	(2) MASS	b. NO. OF ANALYSES	
a. Bromide (24959-67-9)															
b. Chlorine, Total Residual															
c. Color						Co	e Attac	hmont '	20.2						
d. Fecal Coliform						se	e AlldC	innent.	20-3						
e. Fluoride (16984-48-8)															
f. Nitrate-Nitrite (as N)		with the								W. W.	ALL ST				

ITEM V-B CONTINUED FROM FRONT

DOLLITANT	2. MAF	RK "X"			3.	4. UNI	TS	5. INTAKE (optiona		al)				
AND CAS NO.	a.	b.	a. MAXIMUM DAI	LY VALUE	b. MAXIMUM 30 I		c. LONG TERM A (if availa		4 110 05	- CONCEN		a. LONG TE AVERAGE V	ERM ALUE	L NO 0
(if available)	BELIEVED PRESENT	BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	b. NO. O
i. Nitrogen, otal Organic (as														
. Oil and Grease					κ									
Phosphorus as P), Total 7723-14-0)														
. Radioactivity	0)													
1) Alpha, Total														
2) Beta, Total														
3) Radium, otal														
4) Radium 226, otal														
as SO ₄) 14808-79-8)														
Sulfide (as S)	NT-													
n. Sulfite as SO ₃) 14265-45-3)														
. Surfactants	5					Se	e Attachm	ent 2C	- 3					
o. Aluminum, Total 7429-90-5)														
o. Barium, Total 7440-39-3)														
q. Boron, Total 7440-42-8)														
. Cobalt, Total 7440-48-4)														
s. Iron, Total 7439-89-6)														
. Magnesium, Total 7439-95-4)														
ı. Molybdenum, Total														
7439-98-7) v. Manganese, Fotal														
7439-96-5) v. Tin, Total 7440-31-5)														
r, Titanium,	W 7-													

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
AL0000205	DSN 001

CONTINUED FROM PAGE 3 OF FORM 2-C

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

	2	MARK "X"			3. EFFLUENT								5. INTAKE (optional)		d)
1. POLLUTANT AND	a.	b.	c.	a. MAXIMUM DAI	LY VALUE	b. MAXIMUM 30 I (if availab		c. LONG TERM VALUE (if ava			00110511		a. LONG TI AVERAGE V		
CAS NUMBER (if available)	TESTING REQUIRED	BELIEVED PRESENT	BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSE
METALS, CYANIDE	, AND TOT	AL PHENO	LS												
1M. Antimony, Total (7440-36-0)								,							
2M. Arsenic, Total (7440-38-2)															
3M. Beryllium, Total (7440-41-7)															
4M. Cadmium, Total (7440-43-9)															
5M. Chromium, Total (7440-47-3)															
6M. Copper, Total (7440-50-8)															
7M. Lead, Total (7439-92-1)															
8M. Mercury, Total (7439-97-6)															
9M. Nickel, Total (7440-02-0)							See At	tachment	2C-3	3					
10M. Selenium, Total (7782-49-2)															
11M. Silver, Total (7440-22-4)															
12M. Thallium, Total (7440-28-0)															
13M. Zinc, Total															
(7440-66-6)															

15M. Phenols, Total DIOXIN 2,3,7,8-Tetrachlorodibenzo-P-Dioxin (1764-01-6)

CONTINUED FRO	CH ALCOHOLOGICA	2. MARK "X	n			3. E	FFLUENT				4. UN	ITS	5. INT	AKE (option	al)
1. POLLUTANT AND				a. MAXIMUM DAI	II V V/ALLIE	b. MAXIMUM 30 I		c. LONG TERM VALUE (if ave			11 1		a. LONG		
CAS NUMBER (if available)	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT		(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	(1) CONCENTRATION		b. NO. O ANALYSE
GC/MS FRACTION				CONCENTION	(2) MAGG	CONCENTRATION	(2) WAGG	CONCENTIATION	(2) WASS		111111111111111111111111111111111111111	Company of the Compan	CONCENTRATION	(2) WASS	7
1V. Accrolein (107-02-8)															
2V. Acrylonitrile (107-13-1)															
3V. Benzene (71-43-2)															
4V. Bis (Chloro- methyl) Ether (542-88-1)															
5V. Bromoform (75-25-2)	-														
6V. Carbon Tetrachloride (56-23-5)	Sec.														
7V. Chlorobenzene (108-90-7)															
8V. Chlorodi- bromomethane (124-48-1)															
9V. Chloroethane (75-00-3)															
10V. 2-Chloro- ethylvinyl Ether (110-75-8)															
11V. Chloroform (67-66-3)							See At	tachment	2C-3	3					
12V. Dichloro- bromomethane (75-27-4)															
13V. Dichloro- difluoromethane (75-71-8)															
14V. 1,1-Dichloro- ethane (75-34-3)															
15V. 1,2-Dichloro- ethane (107-06-2)															
16V. 1,1-Dichloro- ethylene (75-35-4)															
17V. 1,2-Dichloro- propane (78-87-5)															
18V. 1,3-Dichloro- propylene (542-75-6)															
19V. Ethylbenzene (100-41-4)	F = 2														
20V. Methyl Bromide (74-83-9)															
21V. Methyl Chloride (74-87-3)	8							3 1 4 5		9-14-7		3 7 7			
EPA Form 3510-20	(8-90)						PAG	E V-4					CC	ONTINUE O	N PAGE V-5

	2	. MARK "X	("			3. E	FFLUENT				4. UN	ITS	5. INTA	AKE (option	al)
1. POLLUTANT AND	a.	b.	c.	a. MAXIMUM DA	II Y VALUE	b. MAXIMUM 30 E (if availab		c. LONG TERM VALUE (if ava					a. LONG T AVERAGE \		1
CAS NUMBER (if available)	TESTING REQUIRED	BELIEVED PRESENT	BELIEVED	(1) CONCENTRATION		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	(1) CONCENTRATION		b. NO. OI ANALYSE
GC/MS FRACTION	PROCESS OF THE PARTY OF		- Control of the Cont		(Z) WACO	CONCENTION	(Z) WAGO	CONCENTION	(Z) WAGG				CONCENTRATION	(2) WA33	
22V. Methylene Chloride (75-09-2)						***				*	•		•		
23V. 1,1,2,2- Tetrachloroethane (79-34-5)															
24V. Tetrachloro- ethylene (127-18-4)															
25V. Toluene (108-88-3)															
26V. 1,2-Trans- Dichloroethylene (156-60-5)															
27V. 1,1,1-Trichloro- ethane (71-55-6)															
28V. 1,1,2-Trichloro- ethane (79-00-5)															
29V Trichloro- ethylene (79-01-6)															
30V. Trichloro- fluoromethane (75-69-4)															
31V. Vinyl Chloride (75-01-4)															
GC/MS FRACTION							See A	tachment	2C-	3					
1A. 2-Chlorophenol (95-57-8)															
2A. 2,4-Dichloro- phenol (120-83-2)															340
3A. 2,4-Dimethyl- phenol (105-67-9)															
4A. 4,6-Dinitro-O- Cresol (534-52-1)															
5A. 2,4-Dinitro- phenol (51-28-5)															
6A. 2-Nitrophenol (88-75-5)															
7A. 4-Nitrophenol (100-02-7)															
8A. P-Chloro-M- Cresol (59-50-7)															
9A. Pentachloro- phenol (87-86-5)															
10A. Phenol (108-95-2)	S 10 19														
11A. 2,4,6-Trichloro- phenol (88-05-2)		38													

4 DOLLITANT		2. MARK "X					FFLUENT			-	4. UN	ITS		AKE (option	al)
1. POLLUTANT AND	a,	b.	c.	a. MAXIMUM DA	ILY VALUE	b. MAXIMUM 30 (if availa		c. LONG TERM VALUE (if av		1 NO OF	- CONCEN		a. LONG	VALUE	
CAS NUMBER (if available)	TESTING REQUIRED	PRESENT	BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	a, CONCEN- TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	b. NO. O ANALYSE
GC/MS FRACTION	- BASE/NI	EUTRAL CO	OMPOUND	S											
1B. Acenaphthene (83-32-9)															
2B. Acenaphtylene (208-96-8)															
3B. Anthracene (120-12-7)															
4B. Benzidine (92-87-5)															
5B. Benzo (a) Anthracene (56-55-3)															
6B. Benzo (a) Pyrene (50-32-8)															
7B. 3,4-Benzo- fluoranthene (205-99-2)															
8B. Benzo (<i>ghi</i>) Perylene (191-24-2)	130														
9B. Benzo (k) Fluoranthene (207-08-9)															
10B. Bis (2-Chloro- ethoxy) Methane (111-91-1)															
11B. Bis (2-Chloro- ethyl) Ether (111-44-4)							See At	ttachment	2C-3	3					
12B. Bis (2- Chloroisopropyl) Ether (102-80-1)															
13B. Bis (2-Ethyl- hexyl) Phthalate (117-81-7)															
14B. 4-Bromophenyl Phenyl Ether (101-55-3)															
15B. Butyl Benzyl Phthalate (85-68-7) 16B. 2-Chloro-															
naphthalene (91-58-7)															
17B. 4-Chloro- phenyl Phenyl Ether (7005-72-3)															
18B. Chrysene (218-01-9)															
19B. Dibenzo (a,h) Anthracene (53-70-3)															
20B. 1,2-Dichloro- benzene (95-50-1)															
21B. 1,3-Di-chloro- benzene (541-73-1)				. 35.	4	ANG									3
EPA Form 3510-20	(0.00)						PAG	E V-6				The state	CC	ONTINUE O	N PAGE V

	2	. MARK "X	'n				FFLUENT				4. UN	ITS		AKE (option	ul)
1. POLLUTANT AND	a.	b.	C.	a. MAXIMUM DAI	LY VALUE	b. MAXIMUM 30 I (if availal		c. LONG TERM VALUE (if ave					a. LONG T AVERAGE \		
CAS NUMBER (if available)	TESTING REQUIRED	BELIEVED	BELIEVED	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSE
GC/MS FRACTION	- BASE/N	EUTRAL C	OMPOUND												
22B. 1,4-Dichloro- benzene (106-46-7)			**							714					
23B. 3,3-Dichloro- benzidine (91-94-1)															
24B. Diethyl Phthalate (84-66-2)															
25B. Dimethyl Phthalate (131 -11-3)															
26B. Di-N-Butyl Phthalate (84-74-2)															
27B. 2,4-Dinitro- toluene (121-14-2)															
28B. 2,6-Dinitro- toluene (606-20-2)															
29B. Di-N-Octyl Phthalate (117-84-0)															
30B. 1,2-Diphenyl- hydrazine (as Azo- benzene) (122-66-7)															
31B. Fluoranthene (206-44-0)															
32B. Fluorene (86-73-7)							See At	tachment	2C-3	3					
33B. Hexachloro- benzene (118-74-1)															
34B. Hexachloro- butadiene (87-68-3) 35B. Hexachloro-															
cyclopentadiene (77-47-4)															
36B Hexachloro- ethane (67-72-1)															
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)															
38B. Isophorone (78-59-1)															
39B. Naphthalene (91-20-3)															
40B. Nitrobenzene (98-95-3)															
41B. N-Nitro- sodimethylamine (62-75-9)															
42B. N-Nitrosodi- N-Propylamine (621-64-7)					i pari		1								

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1. POLLUTANT AND	a.	b.	c.	a. MAXIMUM DAI	LY VALUE	b. MAXIMUM 30 (if availa		c. LONG TERM VALUE (if ava	M AVRG. ailable)	1 NO OF	- CONCEN		a. LONG T AVERAGE		. ,,,,
(if available)	TESTING REQUIRED	BELIEVED PRESENT	BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	b. NO. C
C/MS FRACTION	- BASE/NE	UTRAL CO	OMPOUND										1 1 1 1 1 1 1 1		
43B. N-Nitro- sodiphenylamine (86-30-6)															
4B. Phenanthrene 85-01-8)															
15B. Pyrene 129-00-0)															
46B. 1,2,4-Tri- chlorobenzene (120-82-1)															
GC/MS FRACTION															
1P. Aldrin (309-00-2)															
2P. α-BHC (319-84-6)															
BP. β-BHC 319-85-7)															
P. γ-BHC (58-89-9)															
5P. δ-BHC (319-86-8)															
P. Chlordane 57-74-9)							See At	tachment	2C-3	3					
P. 4,4'-DDT 50-29-3)															
3P. 4,4'-DDE 72-55-9)															
9P. 4,4'-DDD (72-54-8)															
10P. Dieldrin (60-57-1)															
11P. α-Enosulfan (115-29-7)															
12P. β-Endosulfan 115-29-7)															
13P. Endosulfan Sulfate (1031-07-8)															
14P. Endrin 72-20-8)															
15P. Endrin Aldehyde (7421-93-4)															
16P. Heptachlor 76-44-8)															
EPA Form 3510-2C	(8-90)						PAGE	E V-8			150		CC	ONTINUE O	N PAGE V-

EPA I.D. NUMBER (copy from Item 1 of Form 1)

OUTFALL NUMBER

AL0000205

DSN 001

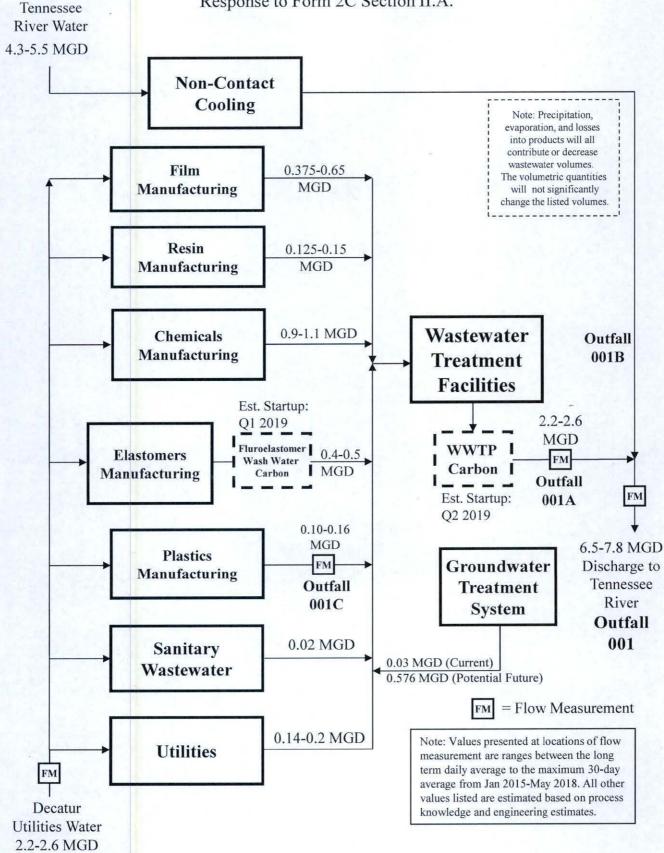
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		2. MARK "X"	0			3. E	FFLUENT				4. UN	IITS	5. INT.	AKE (option	al)
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GC/MS FRACTION	- PESTICI	DES (contin	ued)												
17P. Heptachlor Epoxide (1024-57-3)															
18P. PCB-1242 (53469-21-9)															
19P. PCB-1254 (11097-69-1)															
20P. PCB-1221 (11104-28-2)															
21P. PCB-1232 (11141-16-5)							See At	tachment	2C-3	3					
22P. PCB-1248 (12672-29-6)															
23P. PCB-1260 (11096-82-5)															
24P. PCB-1016 (12674-11-2)															
25P. Toxaphene (8001-35-2)											73.5				

EPA Form 3510-2C (8-90)

PAGE V-9

Figure 2C-1: Water Flow Diagram

Response to Form 2C Section II.A.



Attachment 2C-2: Operations Contributing Flow and Treatment Technologies

Response to Form 2C Section II.B.

1. Outfall Number (list)	2. Operations Contributi	ng Flow	3. Treatment	
Number	a. Operation (list)	b. Average Flow (include units)	a. Description	b. List Codes fron Table 2C-1
001	Non -contact cooling water from Outfall 001B and treated process wastewater from Outfall 001A	6.5-7.8 MGD	Discharge to Surface Water	4-A
		22261460	Due cottline	1-U
001A	Wastewater Treatment Facilities	2.2-2.6 MGD	Pre-settling	1-U
			Screening	1-0
			Mixing	2-K
			Neutralization	
		15-20-6-1-1-1-1-1	Precipitation	2-C
			Coagulation	2-D
			Flocculation	1-G
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Primary Settling	1-U
		10.0	Activated Sludge	3-A
	0		Secondary Settling	1-U
			Aerobic Digestion	5-A
		1 1 1 1 1 1 1 1	Gravity Thickening	5-L
			Pressure Filtration	5-R
			Landfill	5-Q
			Polishing Ponds (Settling)	1-U
			Carbon Adsorption	2-A
			Disinfection (UV)	2-H
	Film Manufacturing	0.375-0.65 MGD	To Wastewater Treatment Facilities	
	Resin Manufacturing	0.125-0.15 MGD	To Wastewater Treatment Facilities	
	Specialty Chemicals Manufacturing	0.9-1.1 MGD	To Wastewater Treatment Facilities	
	Elastomers Manufacturing	0.4-0.5 MGD	Carbon Adsorption	2-A
	Outfall 001C	0.10-0.16 MGD	To Wastewater Treatment Facilities	
	Groundwater Treatment	0.03 MGD	Gas-Phase Separation	1-K
S	Sanitary Wastewater	0.02 MGD	To Wastewater Treatment Facilities	
	Utilities	0.14-0.2 MGD	To Wastewater Treatment Facilities	
001B	Non-contact cooling water	4.3-5.5 MGD	To Outfall 001	
001C	Plastics Manufacturing	0.10-0.16 MGD	Neutralization	2-K

^{*}See Attachment B for wastewater flow diagram. See Attachment C1 & C2 for wastewater treatment descriptions

Attachment 2C-2: Narrative Description of Wastewater Treatment Facilities

The descriptions provided in this attachment are intended to augment the information that is requested in Section II.B. of Form 2C. Provided in this section is a general description of the wastewater treatment and pretreatment facilities.

A. Pretreatment Systems

Wastewaters from different areas of the facility are pretreated prior to discharge into the site's main wastewater treatment facilities.

1. Groundwater Treatment System, Site Remediation, and other activities

A dedicated pretreatment system is used for the treatment of wastewaters that are generated in site remediation activities including a groundwater pump-out system. The system includes an equalization tank, clarifier, bag filters, an air stripper with vapor phase carbon adsorption, and granular activated carbon. The design flowrate of this system is approximately 50 gpm. 3M has plans to increase the design flowrate to 170 gpm later in 2018. Wastewaters may be treated using only granular activated carbon. This system discharges into the equalization tanks.

2. Process Steam Stripper

Process wastewaters from Chemicals and Resin Manufacturing that are contaminated with solvents are first treated in a process steam stripper. Most of these wastewaters are conveyed through a dedicated sewer system to the steam stripper process, while some are containerized and conveyed to the system in batches. This system uses process steam to remove volatile organic chemicals from these wastewaters which are subsequently recovered in a condenser and shipped off-site for disposal. The system includes a decanter, two 20,000 gallon storage/feed tanks, a distillation column, and a condenser. The maximum feed rate for the system is 20 gpm. Wastewaters may also be stored in portable storage tanks during system shutdowns and maintenance. The discharge from the process steam stripper is mixed with other wastewaters and conveyed to the main wastewater treatment facilities.

3. In-Process Treatment

Process wastewaters may be treated in production vessels using several methods. This may include neutralization, liquid/liquid ion exchange, and activated carbon adsorption. Wastewaters that are generated in Plastics Manufacturing may be neutralized prior to discharge (through Outfall 001C) into the main wastewater treatment operations.

4. Fluoroelastomer Wash Water Carbon Treatment

Per previous notifications submitted to ADEM, 3M is currently constructing a new pretreatment process that will provide treatment to reduce Soluble Organic Fluorine (SOF) compounds in wastewater generated by Elastomers Manufacturing. Wash water generated by the Elastomers operations will be pumped to an existing equalization tank. The equalized flow will then be sent through a new carbon treatment system before being sent to the main wastewater treatment operations. The anticipated startup of this system is the first quarter of 2019.

B. Site Wastewater Treatment Facilities

The main wastewater treatment plant is described in overview below and in further detail in Attachment C2.

1. Presettling Tank

Prior to entering the Chemical Waste Treatment System, each wastewater stream enters a presettling tank which is used to remove large solids which might clog or damage downstream wastewater treatment equipment.

2. Bar Screen Filtration

Wastewater is delivered from the process areas to the treatment plant via three sewer systems. Each sewer is equipped with a vertical slat, automatic cleaning bar screen to further remove solids before the wastewater is pumped to the equalization tanks. This filtration serves to protect the pumps and other downstream equipment in the wastewater treatment.

3. Equalization

Equalization provides the wastewater treatment plant with more uniform hydraulic and pollutant loading. This is accomplished with two separate equalization systems. The main system was designed with two fully mixed approximately 600,000 gallon above ground equalization tanks. The equalization tanks are normally operated in series with the first tank operating full and overflowing to the second tank. The level in the second tank fluctuates to provide hydraulic buffering. In the event of an upstream release of a waste which could be harmful to the activated sludge system, the release can be captured in the first equalization tank while the second tank remains online. A surge tank is also used to capture increases in flow that will be associated with rainfall events. Acid may be added to these tanks for pH control.

4. Chemical Neutralization/Precipitation/Coagulation/Flocculation

Wastewater flows from the equalization tanks to a rapid mix tank where lime is added, resulting in calcium fluoride precipitate and coagulated suspended solids. The wastewater flows into the flocculation tanks where an organic polymer is added to agglomerate the

suspended material and assist in its settling.

5. Clarification

Following flocculation, wastewater flows into primary clarifiers, where settleable solids are removed and pumped into a thickener for further concentration or directly to the plate and frame filter press.

6. Activated Sludge Biological Treatment

The 3M Decatur WWTP is equipped with two separate activated sludge systems that can operate in parallel or series. The first system consists of two aeration tanks operating in parallel. The second system consists of two Advent® Integrated Systems (AIS) tanks operating in parallel. The AIS system can be operated in parallel with the aeration tanks with the flow proportioned between the two systems or in series with the tanks receiving the effluent of the final clarifiers. The activated sludge process is used to remove biodegradable organic pollutants from the wastewater.

7. Clarification

Each activated sludge system removes biological sludge in a different manner. In the first system, activated sludge from the aeration tanks is mixed and then split to the two final clarifiers. The biological solids settle in the clarifiers where they are removed and the sludge is recirculated to the head of the aeration tanks. This provides active biomass for the activated sludge process. Excess sludge is pumped into the digester. The AIS tanks contain integral clarifiers in each tank that remove and recirculate the biomass within each tank. Excess sludge is removed from the AIS tanks and is pumped into the digester.

8. Sludge Management

The 3M WWTP is equipped with a sludge thickener and an aerobic digester. The aerobic digester receives waste activated sludge from the final clarifiers or the AIS tanks. The thickeners receive sludge from the digester and both primary clarifiers.

The thickeners reduce the volume of the sludge by increasing the percentage of solids in the sludge. Supernatant from the thickener flows back to a lift station at the head of the WWTP.

The thickened sludge is pumped to a hydraulic sludge press which dewaters the sludge and further increases the solids content of the sludge. The sludge cake is discharged into a dump trailer and disposed in an off-site landfill.

9. Polishing Ponds

The wastewater flows through a series of two polishing ponds to remove any remaining biomass or settleable solids. The second pond is divided into two cells by a weir. The water leaving the second polishing pond flows through a sampling/measuring station and mixes with the non-contact cooling water before being discharged to Baker's Creek.

10. WWTP Carbon Treatment

Per previous notifications to ADEM, 3M is currently constructing a new carbon treatment system that will reduce the concentrations of many of the pollutants currently analyzed and reported for in the discharge through DSN 001. The proposed carbon treatment system would be installed after the polishing ponds, prior to disinfection. The anticipated startup of this system is the second quarter of 2019.

11. Disinfection

Wastewaters are treated in an Ultraviolet (UV) disinfection system which reduces fecal coliform values to less than those levels required in the NPDES permit. UV disinfection is located prior to mixing with non-contact cooling water and discharge through DSN 001.

Attachment 2C-2: Design Description of Wastewater Treatment System

The descriptions provided in this attachment are intended to augment the information that is requested in Section II.B. of Form 2C. Provided in this section is a summary of the sizes, volumes, capabilities, etc. of the treatment units that are provided in the chemical waste treatment system.

1. System Parameters

a. Design Flow Rate (average): 1400 gpm

2. Control, Electronic Data Logging, and Trend Analysis System

- a. Type: Programmable Logic Controller
- b. Parameters
 - 1. Influent pH
 - 2. Equalization Tank pH
 - 3. Equalization Tank level
 - 4. Rapid Mix ph
 - 5. Flocculation Tank pH
 - 6. Equalized flow rate
 - 7. Aeration Tank Dissolved Oxygen
 - 8. Activated sludge recycle flow rate
 - 9. Final clarifier effluent pH
 - 10. DSN001 pH and flow rate

3. Surge Tank

a. Number of Tanks:

b. Tank Dimensions: 90 ft. diameter, 14 ft. height

c. Water Depth:

d. Liquid Working Volume: 70,000 ft³ (523,000 gallons)

e. Purpose: Accumulation of excess influent associate with

11 ft.

precipitation events

4. pH Adjustment

a. Reagent: Lime Slurry

b. Storage Tank: 30,000 gallons (Shared with N/F Treatment

System

c. Feed Control: Automated control valve modulates pumped

slurry feed

d. Purpose: First stage neutralization

5. Presettling Tank

a. Number of Tanks: 2 (in parallel)b. Total Volume: 34,000 gallons

c. Purpose: Removal of large solids

6. Influent Lift Pumps, Screw Pumps

a. Number of Pumps: 2 (in parallel)

b. Pump Capacity: 1700 gpm per pump

c. Pump Lift: 12 ft.

7. Screw Lift Pumps to Equalization Tank

a. Number of pumps: 2 (in parallel)

b. Pump Capacity: 1700 gpm per pump

c. Pump Lift: 24.5 ft.

8. Equalization Tanks

a. Design: Above ground with sub floor leak detection

b. Number of Tanks: 2

c. Tank Dimensions: 69 ft. diameter, 22 ft. heightd. Water Depth: 20 ft. maximum, 5 ft. minimum

e. Liquid Working Volume: 82,264 ft³ (614,000 gallons) per cell

f. Mixing: One 15 HP turbine mixer per tank

g. Maximum Hydraulic

Detention Time: 15.7 hours total at design flow rate

9. pH adjustment

a. Reagent Sulfuric acid

b. Plant sulfuric acid storage tank

c. Acid feed Automated control valve modulates acid feed

d. Purpose pH reduction

10. pH Adjustment

a. Reagent: Lime Slurry

b. Lime Slurry Storage: 50,000 gallons (Shared with N/F Treatment

System)

c. Lime Feed: Automated control valve modulates pumped

slurry feed

d. Purpose: Precipitation, coagulation, neutralization

11. Rapid Mix Tank

a. Number of Tanks: 1

b. Dimensions: 12 ft. x 12 ft. x 13.5 ft. height

c. Water Depth: 12 ft.

d. Liquid Volume: 13,000 gallons

e. Mixer: 7.5 hp f. Detention time: 9.3 minutes

12. Flocculation Tanks

a. Number of cells: 2

b. Cell dimensions: 12 ft. x 12 ft. x 13.5 ft. height

c. Water Depth: 12 ft.

d. Liquid Volume: 13,000 gallons per cell
e. Mixer: 2 mixers, 3 hp each

f. Detention Time: 18.6 minutes

13. Flocculant Feed for Primary Clarifier

a. Coagulant: Organic wastewater treatment polymer

b. Storage Tank: 3,000 gallons

c. Feed System: Variable Speed Pump

14. Primary Clarifier

a. Number of Tanks: 2 (in parallel)
b. Tank Diameter: 60 ft. & 50 ft.

b. Tank Diameter: 60 ft. & 50 ft. Sidewall Depth: 9 ft.

d. Volume: 25,446 ft³ (190,300 gal) & 17,665 ft³ (132,100 gal)

e. Surface Area: 2,830 ft²
f. Surface Setting Rate: 712 gpd/ft²
g. Detention Time: 2.3 hours

h. Floor Loading: 14.1 lbs. per day/ ft² (40,000 lbs/day)

15. Primary Sludge Pumps

a. Number of Pumps: 2 (spare pump shared with Nickel/Fluoride

system)

b. Capacity: 350 gpm @ 30 ft. head

c. Horsepower Rating: 5 hp

16. Aeration Tanks (Original)

a. Number of Tanks:

b. Dimensions: 146 ft. x 26 ft. x 19 ft. height

c. Water Depth: 15 ft.

d. Liquid Volume: 115,000 ft³ (860,000 gallons) Organic Load: 11,500 lbs/day e. f. Tank Unit Load: 101 ppd per 1,000 ft³ Detention Time: 10.2 hours g. Air Required: 10,000 cfm h. i. MLSS: 7,000 mg/L

17. Aeration Blowers

a. Number of Blowers: 4

b. Capacity: 3 @ 4000 cfm

1 @ 2400 cfm

c. Horsepower Rating: 3 @ 200 hp

18. AIS Tanks

a. Number of Tanks: 2

b. Volume (total): 1,770,000 gal c. Hydraulic Retention Time: 16.8 hrs d. MLSS 8,200 mg/l

e. Oxygen Requirement 13,622 lbs/day f. F/M 0.14

g. Blowers: 3 @ 4,000 CFM

h. Water Depth: 27 ft

19. AIS Tanks pH control

a. Reagent Magnesium hydroxide

b. Volume

c. Control pH probe

20. Nutrient Feed for Aeration Tanks

a. Nutrient: Phosphoric Acid

Storage: 7,000 gallons (Existing Tank)

Feed System: Gravity Feed

b. Nutrient: Dry Urea
Storage: Bags
Feed System: Manual

21. Final Clarifiers

a. Number of Tanks
b. Tank Diameter: 75 ft.
c. Sidewall Depth: 12 ft.

d. Volume: 35,342 ft³ (264,000 gallons)

e. Surface Area: 4,418 ft² per tank

f. Surface Settling Rate: 228 gpd/ft²

g. Detention Time: 6.3 hours

h. Floor Loading: 37.1 lbs. per day/ft² (328,000 lbs. per day)

22. Return Sludge Pumps

a. Number of Pumps: 2

b. Capacity: 1100 gpm @ 30 ft. head

c. Horsepower Rating: 20 hp

23. Aerobic Digester Basin for Wasted Activated Sludge

a. Number of Tanks: 1

b. Dimensions: 146 ft. x 22 ft. x 19 ft. height

c. Water Depth: 15 ft.

d. Liquid Volume: 360,000 gallons

e. Detention Time: 15 days

f. Air Required: 600 lbs. oxygen per day, 725 cfm mixing requirement

g. Sludge Transfer Pump: 5 hp, 100 gpm @60 ft. height

24. Sludge Dewatering

a. Number of units: 1

b. Type: Plate and Frame Dewatering Press

c. Capacity: 225 cf per cycle

d. Operating Pressure: 100 psi

e. Solids Processing

Capacity: 18 tons per day (dry solids) on one 8-hour shift

25. Sludge Storage Basins

a. Number: 2

b. Volume: Approx. 3 MM gallons and 1 MM gallons

26. Polishing Pond #1

a. Volume: 2,200,000 gallons

b. Depth: 8 ft.
c. Retention Time: 24 hours

27. Polishing Pond #2

a. First Cell

1. Volume: 1,700,000 gallons

Depth: 8 ft
 Retention Time: 19 hours

b. Second Cell

1. Volume: 900,000 gallons

2. Depth: 8 ft

3. Retention Time: 9 hours

28. Granular Activated Carbon System (Anticipated Startup in Quarter 2, 2019)

a. Number of Tanks 22 (11 Pair)
b. Tank Diameter: 10 ft.

c. Tank Height: 23 ft.

d. Tank Type: Calgon Carbon Corporation Model 10 Vessels

e. Tank Capacity: 20,000 lbs. of carbon per tank

f. Carbon Contact Time: 20 minutes (at maximum design capacity)

g. Design Flow: 2.14 MGD – 2.65 MGD (future)

h. Maximum Design Capacity 3.4 MGD

29. Ultraviolet Light Disinfection

a. Current Design Flow: 2.14 MGD – 2.65 MGD (future)

b. Design Capability: 4.8 MGD

c. Total Channels: 2

d. Channel Dimension: 16'X1.33'X4.5' height
e. Transmittance: 70% minimum @ 253.7 nm

			MARK "X"					EFFLUENT				UN	ITS
	POLLUTANT	Testing Required	Believed Present	Believed Absent	Max. Daily Conc.	Max. Daily Mass	Max. 30 Day Conc.	Max. 30 Day Mass	Long Term Avg. Conc.	Long Term Avg. Mass	No. of Analyses	Conc. Units	Mass Unit
art A	Required Parameters												
a.	BOD	X	NA	NA	18	1109			3.11	164	41	mg/L	lb/day
b.	COD	X	NA	NA	16.8	951					1	mg/L	lb/day
c.	тос	X	NA	NA	2.88	163					1	mg/L	lb/day
d.	TSS	Х	NA	NA	30	1849			6.50	350	41	mg/L	lb/day
e.	Ammonia	Х	NA	NA	4.9	282			1.00	52	40	mg/L	lb/day
f.	Flow	X	NA	NA	9.4	NA	7.79	NA	6.49	NA	1246	MGD	NA
g.	Temp (winter)*	Х	NA	NA				_			NA		
h.	Temp (summer)*	X	NA	NA	85.8	NA			81.2	NA	12	Deg F	NA
	рН	х	NA	NA					6.1-8.5	NA	2486	SU	NA
	erature data shown is measured June-Sept	as required by the NPD	ES Permit	at the west	end of the mi	xing zone as o	lefined in the 1	991 3M Efflue	ent Mixing Zo	ne Study.			
art B	Testing requirements determined by rev	riew of materials usage	and storag	e onsite									
a.	Bromide			X	7						0		
b.	Chlorine			X							0		
111.111	Color	X	Х		7.99	452					1	Units	NA
d.	Fecal Coliform			X	0	0					1	col/100 mL	NA
	Fluoride	X	Х		0.74	42					1	mg/L	lb/day
f.	Nitrate-Nitrite	X	X		5.32	239			1.14	57	41	mg/L	lb/day
g.	Nitrogen, Total Organic			X	19.511	877			4.91	247	41	mg/L	lb/day
	O&G	X	Х		1.24	73			0.10	4.8	37	mg/L	lb/day
10000	Phosphorus, Total	X	X		3.33	189			0.46	25	41	mg/L	lb/day
	Radioactivity	NA	NA	NA		1110070							
	Alpha, Total			Х					2.5		0		
	Beta, Total			X							0		
	Radium, Total			X							0		
	Radium 226			X			1				0		
1.5	Sulfate (as SO4)	х	Х		53.7	3041					1	mg/L	lb/day
	Sulfide (as S)		835	X	0	0					1	mg/L	lb/day
	Sulfite (as SO3)	X	Х		0	0					1	mg/L	lb/day
	Surfactants	X	X		0	0					1	mg/L	lb/day
150000	Aluminum, Total			X							0		7,1
	Barium, Total	X	Х	170	0.0214	1.21					1	mg/L	lb/day
	Boron, Total			X							0	-	,,
	Cobalt, Total	x	х	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0	0					1	mg/L	lb/day
14.74	Iron, Total	X	X		0	0					1	mg/L	lb/day
	Magnesium, Total	X	X		0	0					1	mg/L	lb/day
	Molybdenum, Total	X	X		0	0				7 1 - 31	1	mg/L	lb/day
	Manganese, Total	x	X		0.0326	1.85					1	mg/L	lb/day
	Tin, Total	X	X		0.0320	0				10000	1	mg/L	lb/day
	Titanium, Total	Λ.	^	X	-						0	6/ -	, udy

			MARK "X"				3	EFFLUENT				UN	ITS
	POLLUTANT	Testing Required	Believed Present		Max. Daily Conc.	Max. Daily Mass	Max. 30 Day Conc.	Max. 30 Day Mass	Long Term Avg. Conc.	Long Term Avg. Mass	No. of Analyses	Conc. Units	Mass Units
Part C	Testing requirements determined by Table 2	C-2 and review of r	naterials u	sage and st	orage - "Plast	ic and synthe	tic materials r	nanufacturing	" Industry Ca	tegory applies			
METALS	, CYANIDE, AND TOTAL PHENOLS					7							T IN THE
1M.	Antimony, Total	X	X		0	0					1	mg/L	lb/day
2M.	Arsenic, Total	X	X		0	0					1	mg/L	lb/day
3M.	Beryllium, Total			Х			7 . 2				0		
4M.	Cadmium, Total			X	0	0	1 1 1 1 K				1	mg/L	lb/day
5M.	Chromium, Total			X	0	0					1	mg/L	lb/day
6M.	Copper, Total	Х	X		0.00359	0.203					1	mg/L	lb/day
7M.	Lead, Total	X	X		0	0					1	mg/L	lb/day
8M.	Mercury, Total	X	X		0	0					1	mg/L	lb/day
	Nickel, Total			Х	0	0		7 7 -7			1	mg/L	lb/day
10M.	Selenium, Total			X						J 194	0		
	Silver, Total			X		Fire Tally			10,000		0		704
12M.	Thallium, Total			X							0		
188,188,181	Zinc, Total	X	X		0	0					1	mg/L	lb/day
	Cyanide, Total			X				27			0		
	Phenols, Total	х	X	11121	0	0					1	mg/L	lb/day
DIOXIN													
	2,3,7,8-Tetrachlorodibenzo-P-Dioxin			X							0		
	2,3,7,8-Tetrachiorodibenzo-P-Dioxin			^							U		
GC/MS I	FRACTION – VOLATILE COMPOUNDS												
	Acrolein	х		х	0	0					1	mg/L	lb/day
	Acrylonitrile	X		X	0	0					1	mg/L	lb/day
	Benzene	x		X	0	0					1	mg/L	lb/day
0.5-51315	Bis (Chloromethyl) Ether	X		X	0	0					1	mg/L	lb/day
	Bromoform	X		X	0	0					1	mg/L	lb/day
	Carbon Tetrachloride	X		X	0	0					1	mg/L	lb/day
1,79800	Chlorobenzene	X		X	0	0					1	mg/L	lb/day
10,750	Chlorodibromomethane	X		X	0	0					1	mg/L	lb/day
	Chloroethane	X		X	0	0					1	mg/L	lb/day
	2-Chloroethylvinyl Ether	X		X	0	0					1	mg/L	lb/day
	Chloroform	X	100	X	0	0					1	mg/L	lb/day
	Dichlorobromomethane	X		X	0	0					1	mg/L	lb/day
The second second second	Dichlorodifluoromethane	X		X	0	0					1		lb/day
	1,1-Dichloroethane	X		X	0	0					1	mg/L mg/L	lb/day
	1,2-Dichloroethane	X	X	^	0	0					1	mg/L mg/L	lb/day
4700000000	1,1-Dichloroethylene	X	X		0	0			7-17-1		1		lb/day
	1,2-Dichloropropane	X	^	x	0	0					1	mg/L mg/L	lb/day
	1,3-Dichloropropylene	X		X	0	0					1	mg/L	lb/day
	Ethylbenzene	X	X	^	0	0					1	mg/L mg/L	lb/day
	Methyl Bromide	X	^	X	0	0					1	mg/L	lb/day
	Methyl Chloride	X		X	0	0					1	mg/L mg/L	lb/day
		X		X	0	0					1		lb/day
-	Methylene Chloride			X	0	0						mg/L	
A LANCE OF THE SECOND	1,1,2,2-Tetrachloroethane	X				0					1	mg/L	lb/day
24V.	Tetrachloroethylene Toluene	X	X	Х	0	0					1	mg/L mg/L	lb/day lb/day

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30-day values not calculated for pollutants monitored on a monthly or less frequent basis.

Concentration and mass values of "0" indicate results below detection limit.

		MARK "X"					EFFLUENT				UN	ITS
POLLUTANT	Testing Required	Believed Present	Believed Absent	Max. Daily	Max. Daily Mass	Max. 30 Day Conc.	Max. 30 Day Mass	Long Term Avg. Conc.	Long Term Avg. Mass	No. of Analyses	Conc. Units	Mass Units
26V. 1,2-Trans-Dichloroethylene	Х		Х	0	0			Ray Market	The Way	1	mg/L	lb/day
27V. 1,1,1-Trichloroethane	X		Х	0	0					1	mg/L	lb/day
28V. 1,1,2-Trichloroethane	X		Х	0	0					1	mg/L	lb/day
29V. Trichloroethylene	X		Х	0	0				See Land	1	mg/L	lb/day
30V. Trichlorofluoromethane	X		Х	0	0					1	mg/L	lb/day
31V. Vinyl Chloride	Х		Х	0	0					1	mg/L	lb/day
GC/MS FRACTION – ACID COMPOUNDS												
1A. 2-Chlorophenol	X		х	0	0	 				1	mg/L	lb/day
2A. 2,4-Dichlorophenol	X		X	0	0					1	mg/L	lb/day
3A. 2,4-Dimethylphenol	X		х	0	0	1				1	mg/L	lb/day
4A. 4,6-Dinitro-O-Cresol	X		х	0	0					1	mg/L	lb/day
5A. 2,4-Dinitrophenol	X		Х	0	0	1				1	mg/L	lb/day
6A. 2-Nitrophenol	X		X	0	0					1	mg/L	lb/day
7A. 4-Nitrophenol	X		X	0	0					1	mg/L	lb/day
8A. P-Chloro-M-Cresol	X		X	0	0					1	mg/L	lb/day
9A. Pentachlorophenol	X		X	0	0					1	mg/L	lb/day
10A. Phenol	х	Х	5.00	0	0					1	mg/L	lb/day
11A. 2,4,6-Trichlorophenol	х		Х	0	0					1	mg/L	lb/day
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS												
1B. Acenaphthene	Х		Х	0	0					1	mg/L	lb/day
2B. Acenaphtylene	Х		Х	0	0					1	mg/L	lb/day
3B. Anthracene	Х		Х	0	0					1	mg/L	lb/day
4B. Benzidine	Х		Х	0	0					1	mg/L	lb/day
5B. Benzo (a) Anthracene	Х		Х	0	0					1	mg/L	lb/day
6B. Benzo (a) Pyrene	X	-	Х	0	0					1	mg/L	lb/day
7B. 3,4-Benzofluoranthene	Х		Х	0	0					1	mg/L	lb/day
8B. Benzo (ghi) Perylene	X		Х	0	0					1	mg/L	lb/day
9B. Benzo (k) Fluoranthene	Х		Х	0	0					1	mg/L	lb/day
10B. Bis (2-Chloroethoxy) Methane	Х		Х	0	0					1	mg/L	lb/day
11B. Bis (2-Chloroethyl) Ether	Х		Х	0	0					1	mg/L	lb/day
12B. Bis (2-Chloroisopropyl) Ether	Х		Х	0	0					1	mg/L	lb/day
13B. Bis (2-Ethylhexyl) Phthalate	X		Х	0	0					1	mg/L	lb/day
14B. 4-Bromophenyl Phenyl Ether	Х		Х	0	0					1	mg/L	lb/day
15B. Butyl Benzyl Phthalate	Х		Х	0	0		L			1	mg/L	lb/day
16B. 2-Chloronaphthalene	Х		Х	0	0					1	mg/L	lb/day
17B. 4-Chlorophenyl Phenyl Ether	X		X	0	0					1	mg/L	lb/day
18B. Chrysene	X		X	0	0					1	mg/L	lb/day
19B. Dibenzo (a,h) Anthracene	X		X	0	0					1	mg/L	lb/day
20B. 1,2-Dichlorobenzene	X		X	0	0					1	mg/L	lb/day
21B. 1,3-Dichlorobenzene	X		X	0	0					1	mg/L	lb/day
22B. 1,4-Dichlorobenzene	X		X	0	0					1	mg/L	lb/day
23B. 3,3-Dichlorobenzidine	X		X	0	0					1	mg/L	lb/day
24B. Diethyl Phthalate	X		X	0	0					1	mg/L	lb/day
25B. Dimethyl Phthalate	Х	Manual S	Х	0	0					1	mg/L	lb/day
26B. Di-N-Butyl Phthalate	X	1 55 4	X	0	0			4.1		1	mg/L	lb/day

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Concentration and mass values of "0" indicate results below detection limit.

		MARK "X"					EFFLUENT				UN	ITS
POLLUTANT	Testing Required	Believed Present	Believed Absent	Max. Daily Conc.	Max. Daily Mass	Max. 30 Day Conc.	Max. 30 Day Mass	Long Term Avg. Conc.	Long Term Avg. Mass	No. of Analyses	Conc. Units	Mass Unit
27B. 2,4-Dinitrotoluene	Х		Х	0	0					1	mg/L	lb/day
28B. 2,6-Dinitrotoluene	X		Х	0	0					1	mg/L	lb/day
29B. Di-N-Octyl Phthalate	X		Х	0	0					1	mg/L	lb/day
30B. 1,2-Diphenylhydrazine (as Azo-benzene)	х		Х	0	0					1	mg/L	lb/day
31B. Fluoranthene	Х		Х	0	0					1	mg/L	lb/day
32B. Fluorene	Х		Х	0	0					1	mg/L	lb/day
33B. Hexachlorobenzene	Х		Х	0	0					1	mg/L	lb/day
34B. Hexachlorobutadiene	Х		Х	0	0					1	mg/L	lb/day
35B. Hexachlorocyclopentadiene	Х		Х	0	0					1	mg/L	lb/day
36B. Hexachloroethane	Х		Х	0	0					1	mg/L	lb/day
37B. Indeno (1,2,3-cd) Pyrene	- X		Х	0	0					1	mg/L	lb/day
38B. Isophorone	Х		Х	0	0					1	mg/L	lb/day
39B. Napthalene	Х		Х	0	0					1	mg/L	lb/day
40B. Nitrobenzene	Х		Х	0	0					1	mg/L	lb/day
41B. N-Nitrosodimethylamine	Х		Х	0	0					1	mg/L	lb/day
42B. N-Nitrosodi-N-Propylamine	Х		Х	0	0					1	mg/L	lb/day
43B. N-Nitrosodiphenylamine	Х		Х	0	0					1	mg/L	lb/day
44B. Phenanthrene	X		Х	0	0					1	mg/L	lb/day
45B. Pyrene	х		Х	0	0					1	mg/L	lb/day
46B. 1,2,4-Trichlorobenzene	х		Х	0	0					1	mg/L	lb/day
C/MS FRACTION – PESTICIDES												
1P. Aldrin	Х		Х	0	0					1	mg/L	lb/day
2P. Alpha-BHC	х		Х	0	0					1	mg/L	lb/day
3P. Beta-BHC	X		Х	0	0					1	mg/L	lb/day
4P. Gamma-BHC	Х		Х	0	0					1	mg/L	lb/day
5P. Delta-BHC	Х		Х	0	0					1	mg/L	lb/day
6P. Chlordane	Х		Х	0	0					1	mg/L	lb/day
7P. 4,4'-DDT	Х		Х	0	0		Later and the		1-1-1	1	mg/L	lb/day
8P. 4,4'-DDE	Х		Х	0	0					1	mg/L	lb/day
9P. 4,4'-DDD	Х		Х	0	0					1	mg/L	lb/day
10P. Dieldrin	Х		Х	0	0	53, -545				1	mg/L	lb/day
11P. Alpha-Endosulfan	Х		Х	0	0					1	mg/L	lb/day
12P. Beta-Endosulfan	х		Х	0	0					1	mg/L	lb/day
13P. Endosulfan Sulfate	х		Х	0	0				C. 14	1	mg/L	lb/day
14P. Endrin	х		Х	0	0					1	mg/L	lb/day
15P. Endrin Aldehyde	Х		Х	0	0					1	mg/L	lb/day
16P. Heptachlor	х		Х	0	0			- 7		1	mg/L	lb/day
17P. Heptachlor Epoxide	х		Х	0	0	D				1	mg/L	lb/day
18P. PCB-1242	х		Х	0	0					1	mg/L	lb/day
19P. PCB-1254	х		Х	0	0	es agreement				1	mg/L	lb/day
20P. PCB-1221	Х		Х	0	0					1	mg/L	lb/day
21P. PCB-1232	Х		Х	0	0	357		4		1	mg/L	lb/day
22P. PCB-1248	Х	- V	Х	0	0					1	mg/L	lb/day
23P. PCB-1260	Х		Х	0	0	year to be				1	mg/L	lb/day
24P. PCB-1016	Х		Х	0	0					1	mg/L	lb/day
25P. Toxaphene	X		Х	0	0					1	mg/L	lb/day

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Concentration and mass values of "0" indicate results below detection limit

			MARK "X"					EFFLUENT				UN	IITS
	POLLUTANT	Testing Required	Believed Present	Believed Absent	Max. Daily Conc.	Max. Daily Mass	Max. 30 Day Conc.	Max. 30 Day Mass	Long Term Avg. Conc.	Long Term Avg. Mass	No. of Analyses	Conc. Units	Mass Units
Permit	required sampling for poly- and perfluoroalkyl s	ubstances (PFAS)											
Ciliac	Perfluorobutanoic Acid (PFBA)	abstatices (FIAS)	-									-	
	Perfluoroheptanoic Acid (PFHpA)												
	Perfluorohexanoic Acid (PFHxA)												
	Perfluoroctanoic Acid (PFOA)												
	Perfluorobutanesulfonate (PFBS)												
	Perfluorohexanesulfonate (PFHS)						See A	ttachment 20	-4				
	Perfluorooctanesulfonate (PFOS)						500 /	ttacimient ze					
	Perfluorobutanesulfonamide (PFBSA)												
	Perfluorooctanesulfonamide (PFOSA)												
	2-(N-methyl-PFOSA) acetic acid												
_	2-(N-ethyl-PFOSA) acetic acid												
	2-(N-ethyl-PFOSA) acetic acid	_										1	
Part D	Required to be reported if present, determine	d by review of Ta	hle 2C-3 ar	d material	s usage and st	orage onsite	(testing not re	equired)					
Tares	Acetaldehyde	NA NA	X	- material	0.00956	0.541	(testing not i	Lquireu			1	mg/L	lb/day
	Allyl alchohol	NA NA		X	0.00000	0.0.12					0	1116/2	ib/ duy
	Allyl chloride	NA NA		X							0		
	Amyl acetate	NA.		X							0		
	Aniline	NA NA		X							0		
	Benzonitrile	NA NA		X							0		
	Benzyl chloride	NA NA	х	_ A	0	0					1	mg/L	lb/day
	Butyl acetate	NA NA	^	х	- 0	-					0	mg/L	ib/uay
	Butylamine	NA NA		X							0		-
	Captan	NA NA		X			1	1			0		
	Carabaryl	NA NA		X							0		
	Carbofuran	NA NA		X		-					0		
	Carbon disulfide	NA NA		X							0		
		NA NA		X							0		
	Chlorpyrifos	NA NA		X							0		
	Coumaphos			X									-
	Cresol	NA NA		X							0		
	Crotonaldehyde	NA NA		X							0		-
	Cyclohexane	NA	X	V							0		
	2,4-D (2,4-Dichlorophenoxyacetic acid)	NA NA		X			-				0	-	
	Diazinon	NA		X							0		
	Dicamba	NA		X							0		
	Dichlobenil	NA		X							0		
	Dichlone	NA		X							0		
	2,2-Dichloropropionic acid	NA		X							0		
	Dichlorovos	NA		X							0		
	Diethyl amine	NA		X							0		
	Dimethyl amine	NA		X							0		
	Dinitrobenzene	NA		X							0		
	Diquat	NA		X							0		
	Disulfoton	NA		X	AV LONG						0		
	Diuron	NA		X							0		
	Epichlorohydrin	NA		X							0		

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Concentration and mass values of "0" indicate results below detection limit.

		MARK "X"					EFFLUENT				UN	IITS
POLLUTANT	Testing Required	Believed Present	Believed Absent	Max. Daily Conc.	Max. Daily Mass	Max. 30 Day Conc.	Max. 30 Day Mass	Long Term Avg. Conc.	Long Term Avg. Mass	No. of Analyses	Conc. Units	Mass Uni
Ethion	NA		X							0		71.152.511
Ethylene diamine	NA	Х						[0		
Ethylene dibromide	NA		X							0		
Formaldehyde	NA	Х		0	0					1	mg/L	lb/day
Furfural	NA		X							0		10,00,
Guthion	NA		X							0		
Isoprene	NA		X			1 1				0		
Isopropanolamine	NA		×							0		
Kelthane	NA		X							0		
Kepone	NA		X							0		1
Malathion	NA		X							0		
Mercaptodimethur	NA	7777	X							0		
Methoxychlor	NA		X	0	0	. 7.7				1	mg/L	lb/day
Methyl mercaptan	NA		X							0	mb/ c	ib/ day
Methyl methacrylate	NA	Х							_	0		
Methyl parathion	NA		х							0		
Mevinphos	NA		X							0		
Mexacarbate	NA		X							0		
Monoethyl amine	NA		X							0		
Monomethyl amine	NA	X								0		
Naled	NA	^	х							0		
Napthenic acid	NA		X							0		
Nitrotoluene	NA		X							0		
Parathion	NA		X							0		
Phenolsulfonate	NA	Х								0		
Phosgene	NA	X		0	0					1	mg/L	lb/day
Propargite	NA		X		0					0	nig/L	ID/ uay
Propylene oxide	NA		X			-				0		
Pyrethrins	NA		X							0		
Quinoline	NA		X							0		
Resorcinol	NA		X							0		-
Strontium	NA		X							0		
Styrene	NA	X								0		
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	NA	Α	Х		- 10					0		
TDE (Tetrachlorodiphenyl ethane)	NA		X							0		
2,4,5-TP [2-(2,4,5-Trichlorophenoxy) propanoic acid]			X							0		
Trichlorofon	NA		X							0		
Triethanolamine	NA		X							0		
Triethylamine	NA	X	^	0	0					1	mg/L	lb/day
Trimethylamine	NA		X	U	U					0	mg/L	ib/uay
Uranium	NA		X							0		
Vanadium	NA NA		X							0		
Vinyl acetate	NA	Х								0		
Xylene	NA NA	X	-							0		
Xylenol	NA NA	^	x			177				0		
Zirconium	NA NA		X							0		

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ATTACHMENT 2C-4

EFFLUENT CHARACTERIZATION - PERFLUOROALKYL AND POLYFLUOROALKYL SUBSTANCES (PFAS)

A. PFAS MONITORING SUMMARY

The current permit requires quarterly monitoring for the following eleven perfluoroalkyl substances at outfalls DSN001Q-DSN012Q.

Compound Name	Acronym	Size	CAS
N-ethyl perfluorooctanesulfonamidoacetic acid*	N-EtFOSAA	C8	2991-50-6
N-methyl perfluorooctanesulfonamidoacetic acid*	N-MeFOSAA	C8	2355-31-9
Perfluorobutanoic acid	PFBA	C4	375-22-4
Perfluorobutanesulfonic acid	PFBS	C4	375-73-5
Perfluorobutane sulfonamide	PFBSA	C4	30334-69-1
Perfluoroheptanoic acid*	PFHpA	C7	375-85-9
Perfluorohexanoic acid*	PFHxA	C6	307-24-4
Perfluorohexanesulfonic acid*	PFHxS	C6	355-46-4
Perfluorooctanoic acid*	PFOA	C8	335-67-1
Perfluorooctanesulfonic acid*	PFOS	C8	1763-23-1
Perfluorooctanesulfonamide*	PFOSA	C8	754-91-6

^{*}Chemicals associated with former production activities phased out by 2002

The attached Table 1 summarizes the results of the quarterly monitoring from the first quarter 2015 through the first quarter 2018.

B. PFAS ASSOCIATED WITH CURRENT PRODUCTION OPERATIONS

Current manufacturing operations at the Decatur facility that are expected to produce wastewater containing perfluoroalkyl and polyfluoroalkyl substances (PFAS) are as follows:

1. Plastics Manufacturing



- 2. Fluoroelastomer production
- 3. Curatives production, a specialty chemical
- 4. Perfluorobutane sulfonyl fluoride-based (PBSF) production, also known collectively as "C4 Production"



PBSF-based curatives production

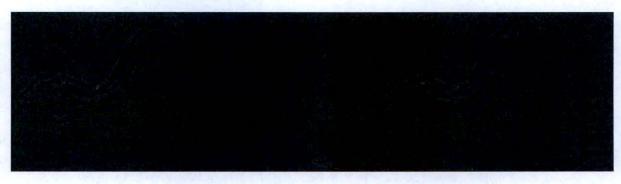
Like most of the processes in the non-Film Manufacturing operations at Decatur, the plant's PFAS operations are primarily batch processes. The nature of batch chemical processing means that any wastewater discharges occur only intermittently. Further, as demand and production levels vary across the entire Decatur plant, the mass and concentration in the plant's effluent of PFAS and other constituents will vary.

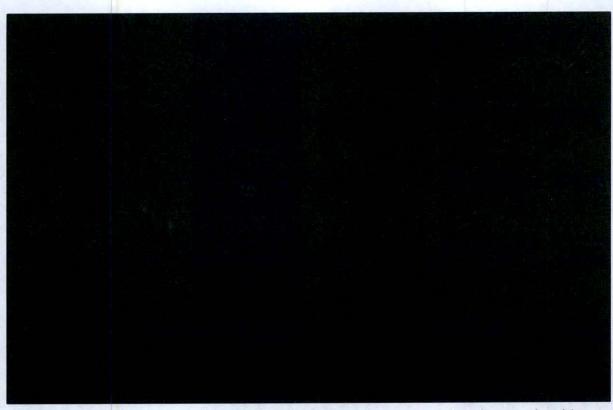
The production processes outlined above are associated with the manufacturing operations previously described in Attachment A of this NPDES permit application. The Film Manufacturing and Resin manufacturing operations are not currently believed to generate or contribute any PFAS to the effluent discharge water.

Each of the above processes that has potential PFAS contributions to wastewater discharging to the chemical sewer, and ultimately from outfall DSN001, is described in more detail below. These wastewaters are not expected to discharge through any other permitted outfalls (i.e., the storm water outfalls). As discussed below, wastewater from primary amide production is subject to a TSCA zero discharge consent order and is not discharged to the chemical sewer.

As information currently allows, specific PFAS chemical identities are provided. When specific chemical identities are uncertain, chemical families associated with these processes are provided.

1. Plastics Manufacturing





The wash water from PVDF resin production is discharged to a sump where it may mix with wastewater from monomer production. From there, the wastewater flows to the Site's Wastewater Treatment system. Like the monomer production, resin production wastewater can contain VDF oligomers, a C3 carboxylate and perfluoropropionic acid.

2. Fluoroelastomer production

Elastomer manufacturing includes the production of fluoroelastomers using reactions.

The environmental stewardship for 3M Decatur's manufacturing operations includes ongoing efforts to identify sources of chemical discharges and reduce, treat or eliminate them, where feasible. This includes those from fluorochemical production. This stewardship activity identified the fluoroelastomer wash water as a source that could be reduced through treatment. As part of the resulting fluoroelastomer wash water source reduction project, the feasibility of treating this wastewater stream with granular activated carbon (GAC) was evaluated both in the laboratory and at a pilot-scale facility. Analytical characterization was conducted on the untreated wash water stream, as well as on the carbon treated water. The data report for the project is enclosed with this NPDES permit application. (See Attachment 2C-5).

Asa

result, 3M decided to install a GAC system to treat and remove PFAS from the elastomer wash water before discharge to the chemical sewer. This project is anticipated to be operational in the second quarter of 2019.

3. Curatives production

The Decatur plant also manufactures, uses, and sells curatives.

Wastewater from these activities is discharged to the chemical sewer.

Because the curatives have generally poor water solubility and the production volumes are limited, curative production is not expected to be a significant PFAS source. 4. Perfluorobutane sulfonyl fluoride-based production Perfluorobutane sulfonyl fluoride (PBSF)-based production, also referred to as C-4 based production, includes a variety of production activities, PBSF-based production wastewater may contain PFAS.

2. Planned wastewater treatment outlet granular activated carbon treatment system

amide production are captured, drummed and sent offsite for disposal.

All water streams from primary

In addition to the fluoroelastomer wash water pre-treatment GAC system noted above, 3M will install a second granular activated carbon treatment system, with this one installed on the wastewater treatment plant outlet. This system is planned to be operational in 2019.



ng/mL	2/10/2015	4/20/15	8/13/15	10/21/15	2/19/16	5/19/16	9/11/16	12/9/16	3/6/17	5/11/17	8/7/17	10/18/17	3/10/18
PFBA	1.31	3.59	3.35	2.37	1.63	1.61	4.35	2.4	5.17	2.81	4.03	0.969	1.52
PFHpA	0.69	1.85	8.89	1.01	1.13	0.482	0.534	2.42	0.714	0.473	1.16	0.677	0.536
PFHxA	1.39	1.08	0.673	0.494	0.739	0.185	0.241	1.58	0.414	0.252	0.696	0.332	0.335
PFOA	2.74	5.17	2.47	2.58	3.25	0.609	0.787	7.08	1.64	0.932	2.52	1.30	1.50
PFBS	4.63	12.5	7.46	11.6	6.38	6.35	7.52	9.1	10.1	7.43	47.8	1.72	7.24
PFHS	0.826	1.86	0.528	0.791	0.826	0.254	0.266	1.72	0.654	0.442	2.13	0.563	0.45
PFOS	17.5	14.8	7.93	6.87	5.32	1.74	1.87	14.8	5.02	5.29	8.23	3.97	4.10
FBSA	78.1	87.4	180	114	216	207	285	75.8	193	352	92.3	45.0	71.2
PFOSA	2.52	4.02	1.69	0.847	0.480	1.38	0.950	3.18	0.923	0.969	0.539	0.623	0.890
NMeFOSAA	1.48	2.12	1.42	1.16	0.399	0.432	0.351	1.20	0.648	0.737	1.38	0.856	0.468
NEtFOSAA	2.06	2.11	1.21	0.789	0.444	0.402	0.428	1.28	0.711	0.537	1.05	0.647	0.427

ng/mL	2/1/2015	5/16/15	7/29/15	10/26/15	2/2/16	5/12/16	8/18/16	11/30/16	3/7/17	4/30/17	7/28/17	10/8/17	3/10/18
PFBA	0.0293	0.0567	0.130	0.0429	0.0570	3.7900	0.0822	0.0791	<0.100	<0.0500	0.1980	0.176	2.94
PFHxA	0.0507	0.0340	0.0915	0.0331	0.0523	0.563	<0.0250	<0.0250	< 0.0250	<0.0250	<0.0500	<0.0500	6.94
PFHpA	<0.0250	0.0260	0.0868	<0.0250	<0.0500	0.659	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0500	13.7
PFOA	<0.0480	0.189	0.226	0.203	0.0978	4.47	0.099	0.035	<0.0240	<0.0240	0.0267	0.0307	56.4
PFBS	0.0612	0.111	0.166	0.0616	0.0862	2.62	0.0542	0.147	<0.0250	0.0692	0.106	0.0635	1.28
PFHS	<0.0250	<0.0250	0.0918	<0.0236	<0.0250	0.76	<0.0250	<0.0250	< 0.0250	<0.0250	<0.0250	<0.0250	5.62
PFOS	0.0848	0.218	0.359	0.198	0.120	18.5	0.203	0.0989	0.0275	0.0655	0.148	0.104	72.2
FBSA	0.387	0.233	0.274	0.125	0.299	2.63	0.196 *	0.110 *	0.100	0.180	0.108	0.447	0.629
PFOSA	0.133	0.221	0.143	0.0537	0.0785	15.2	0.274	0.0652	0.0402	0.122	0.0351	0.0563	8.34
NMeFOSAA	0.0266	<0.0250	0.0681	<0.0250	<0.0500	6.23	0.0266	<0.0250	<0.0250	<0.0500	<0.0500	<0.0250	3.65
NEtFOSAA	0.0376	0.177	0.0854	0.0382	0.0404	11.7	0.0448	<0.0250	< 0.0250	<0.0250	<0.0250	<0.0500	4.16
			419.15										
* Qualitative re	sult due to no	n-compliant	QC .										

ng/mL	2/1/2015	5/16/15	7/29/15	10/26/15	2/2/16	5/12/16	8/18/16	11/30/16	3/7/17	4/30/17	7/28/17	10/8/17	3/10/18
PFBA	0.486	2.96	0.174	3.37	0.208	3.75	7.02	2.19	3.37	1.96	2.21	3.23	0.299
PFHxA	0.754	0.798	0.112	0.642	0.378	0.576	0.872	0.742	0.681	1.11	0.933	1.26	0.14
PFHpA	0.536	0.861	0.184	0.585	0.241	0.670	1.09	0.973	0.742	1.30	1.50	1.76	0.108
PFOA	2.00	6.17	0.857	4.69	1.43	4.54	7.75	7.57	5.19	10.9	10.4	11.9	0.547
PFBS	2.30	3.04	0.613	1.73	0.667	2.73	3.17	3.43	1.32	2.58	3.51	3.23	0.556
PFHS	1.16	1.76	0.137	0.94	0.253	0.824	0.894	1.43	0.993	1.27	1.89	1.43	0.0827
PFOS	7.59	17.4	4.97	15.6	7.48	18.3	33.4	22.2	9.99	26.000	28.4	20.3	3.89
FBSA	6.15	4.39	1.47	1.68	1.55	2.57	1.67	2.18	1.68	5.53	1.90	5.73	1.20
PFOSA	0.589	6.64	2.61	2.89	0.825	6.32	6.92	2.76	2.32	6.71	5.04	4.6	2.88
NMeFOSAA	0.454	3.83	1.34	2.72	0.741	6.56	5.79	3.03	1.97	3.32	3.96	3.80	1.42
NEtFOSAA	0.671	6.63	2.89	8.34	1.42	12.6	12.5	3.60	4.17	4.79	4.42	5.41	1.93

ng/mL	2/1/2015	5/16/15	7/29/15	10/26/15	2/2/16	5/12/16	8/18/16	11/30/16	3/7/17	4/30/17	7/28/17	10/8/17	3/10/18
PFBA	13.7	13.0	64.2	10.8	12.7	12.6	12.6	6.52	11.0	35.3	0.169	22.0	21.3
PFHxA	8.43	4.41	16.0	8.03	5.12	15.8	3.83	2.58	3.94	15.1	0.157	11.3	4.29
PFHpA	6.97	3.83	13.7	5.85	3.93	8.76	3.93	2.34	2.58	7.88	0.272	9.37	3.87
PFOA	52.0	28.2	102	48.9	30.2	36.9	27.6	17.0	19.4	48.8	1.21	93.8	25.1
PFBS	64.9	34.0	145	74.7	43.9	11.5	18.9	9.67	21.0	425	0.0813	42.4	120
PFHS	5.21	3.89	9.66	8.12	3.29	18.9	5.52	3.03	5.7	11.3	0.269	18.2	4.41
PFOS	46.2	43.0	103	104	52.2	75.5	84.4	50.2	45.7	80.1	5.69	143	38.8
FBSA	122	64.6	183	23.6	98.7	49.8	50.8	75.4	50.0	282	0.0762	370	431
PFOSA	45.0	39.4	44.3	27.7	35.0	17.2	24.0	13.0	24.3	29.9	1.45	24.9	38.9
NMeFOSAA	12.5	18.1	19.3	22.6	16.5	6.92	20.5	11.9	12.6	23.5	0.668	15.3	7.62
NEtFOSAA	21.1	18.0	19.1	27.7	26.3	6.01	25.6	21.0	19.1	22.8	2.08	23.7	11.8

ng/mL	2/1/2015	5/16/15	7/29/15	10/26/15	3/14/16	5/12/16	11/30/16	2/28/17	5/4/17	7/28/17	12/20/17	3/10/18
PFBA	25.0	11.4	4.10	5.15	1.45	6.48	5.44	3.13	8.8	3.87	62.1	23.2
PFHxA	30.4	13.7	3.93	3.19	2.45	4.61	2.78	2.35	4.36	2.07	6.13	29.3
PFHpA	14.0	7.00	1.08	1.69	2.56	2.67	3.77	2.27	2.90	2.67	8.33	16.2
PFOA	62.3	34.7	4.74	11.2	16.9	12.2	33.1	16	20.9	16.1	39.3	70.4
PFBS	7.16	6.61	8.96	7.72	1.49	6.39	5.03	2.95	6.29	6.08	173	10.5
PFHS	37.4	14.9	1.73	3.01	1.31	5.25	1.96	1.11	1.81	1.66	3.08	36.0
PFOS	107	62.5	19.9	22.8	48.8	28.8	92.0	67.0	86.2	47.1	65.3	111
FBSA	9.84	9.17	200	16.7	7.32	23.2	25.6	11.6	19.2	8.16	92.6	6.81
PFOSA	3.77	6.86	3.22	6.06	23.3	19.3	33.4 *	42.1	54.5	22.7	26.9	7.47
NMeFOSAA	1.90	3.80	4.73	4.06	59.5	9.68	62.8	163	135	41.4	85.3	1.49
NEtFOSAA	4.16	3.88	5.38	3.78	78.5	6.37	55.0	269	183	67.6	175	2.74
			4 - 1 - 4									
* Qualitative re	sult due to no	n-complian	it QC									

ng/mL	2/1/2015	5/16/15	7/29/15	10/26/15	2/2/16	5/12/16	8/18/16	11/30/16	3/7/17	4/30/17	7/28/17	10/8/17	3/10/18
PFBA	23.9	11.0	4.46	5.08	9.34	6.68	4.56	4.66	7.35	6.43	3.03	5.86	21.0
PFHxA	29.1	13.2	4.12	3.05	12.1	4.79	2.30	3.18	7.05	5.81	3.96	3.98	27.5
PFHpA	13.8	6.89	1.31	1.61	6.71	2.91	1.60	1.55	4.01	2.98	3.14	2.24	14.9
PFOA	58.6	32.6	6.03	12.1	29.7	13.2	9.31	7.37	18.8	12.9	12.9	11.4	63.5
PFBS	7.02	6.60	8.26	7.52	3.90	6.52	10.4	3.42	7.22	3.66	2.71	6.42	9.91
PFHS	34.5	14.5	2.12	3.15	14.9	5.50	2.70	3.17	8.82	6.64	6.24	4.36	33.5
PFOS	106	58.8	20.4	24.2	58.6	32.8	27.8	24.9	30.4	29.3	41.9	25.0	101
FBSA	9.77	9.18	186	16.3	5.28	23.7	7.77	4.83	9.45	8.07	2.23	9.58	6.36
PFOSA	4.04	4.99	3.17	6.10	2.93	10.0	11.0	7.83	5.49	8.15	6.66	5.57	6.41
NMeFOSAA	2.02	2.90	2.59	3.33	1.52	9.42	3.92	1.83	3.58	2.26	5.12	2.56	1.60
NEtFOSAA	4.50	3.31	4.14	4.22	3.18	6.93	6.76	2.78	4.05	3.76	9.39	4.00	2.68

ng/mL	2/1/2015	5/16/15	8/6/15	10/26/15	1/21/16	5/12/16	8/18/16	11/30/16	2/28/17	5/4/17	7/28/17	12/20/17	3/10/18
PFBA	0.700	1.96	1.04	0.936	0.856	0.668	0.54	0.497	0.327	0.395	0.221	0.449	< 0.100
PFHxA	2.33	4.65	2.23	2.61	3.14	1.92	1.31	0.726	0.977	1.36	0.104	1.10	< 0.0500
PFHpA	4.29	8.56	4.40	4.82	4.11	3.63	3.04	1.39	1.97	2.96	0.169	2.18	< 0.0250
PFOA	25.9	53.8	28.4	37.9	15.1	21.4	20.2	8.02	14.4	19.5	0.747	12.2	0.0352
PFBS	0.936	1.32	1.13	1.33	0.932	0.768	0.586	0.535	0.517	0.769	0.0839	0.550	0.0910
PFHS	4.07	5.55	3.58	3.93	3.96	2.76	1.52	0.475	1.67	2.31	0.179	1.97	<0.0250
PFOS	84.5	157	83.7	79.4	25.3	68.9	64.6	19.9	66.0	84.5	5.06	50.8	0.0543
FBSA	0.400	0.849	0.400	0.696	0.223	0.311	0.296	0.388	0.196	0.269	0.0804	0.171	0.514
PFOSA	3.96	16.2	5.35	3.39	1.45	13.4	5.23	9.62	6.92	6.26	1.07	2.66	0.0968
NMeFOSAA	8.47	21.3	6.72	3.36	2.07	7.52	13.2	7.29	16.9	12.0	0.575	5.97	< 0.0500
NEtFOSAA	11.2	19.2	9.02	4.20	3.06	8.08	14.2	8.50	18.2	14.0	2.01	8.55	<0.0998

ng/mL	2/16/2015	5/27/15	8/6/15	11/2/15	1/21/16	5/12/16	8/18/16	11/30/16	2/28/17	4/30/17	7/28/17	12/20/17	3/10/18
PFBA	0.187	<0.0250	<0.0500	0.077	0.0487	0.326	0.202	0.0632	0.319	0.0815	< 0.100	1.56	0.615
PFHxA	0.407	< 0.0250	< 0.0250	< 0.0250	0.114	0.688	0.273	0.0568	0.474	0.412	0.0556	2.86	2.03
PFHpA	0.555	<0.0250	< 0.0250	0.0333	0.200	2.03	0.765	0.0979	0.934	1.33	0.146	4.02	3.06
PFOA	2.92	<0.0480	<0.0480	0.301	1.16	10.4	3.77	0.511	5.75	7.88	0.746	18.6	12.8
PFBS	0.243	0.0264	< 0.0250	< 0.0250	0.0407	0.105	<0.0250	0.0369	0.161	0.064	<0.0500	0.683	0.426
PFHS	0.274	<0.0250	< 0.0236	< 0.0236	0.142	0.624	0.138	0.0372	0.262	0.198	0.0697	2.83	2.14
PFOS	13.4	0.192	0.143	1.35	5.80	23.60	9.13	1.59	7.24	9.50	3.32	40.5	25.0
FBSA	0.133	NR	0.0364	0.220	<0.0500	0.145	0.0633	0.0266	0.111	0.0515	< 0.0250	0.453	0.189
PFOSA	6.27	0.0360	<0.0250	1.75	7.35	132	20.0	0.877	11.9	8.31	1.86	12.6	6.75
NMeFOSAA	24.2	<0.0250	< 0.0250	8.10	16.4	192	71.3	3.92	39.8	13.8	6.17	34.0	20.6
NEtFOSAA	18.1	<0.0250	0.0265	6.24	15.1	119	56.1	3.49	26.4	10.6	5.79	35.8	12.8
NR = Not Reporta		4.53											

2/1/2015	5/27/15	8/6/15	11/2/15	1/21/16	5/12/16	8/18/16	11/30/16	2/28/17	5/4/17	7/28/17	12/20/17	3/10/18
BLOQ	2.02	0.0789	<0.0250	<0.0250	<0.0250	<0.0250	0.0886 *	<0.100	<0.0500	0.171	<0.0500	0.491
BLOQ	6.46	0.318	<0.0250	<0.0250	<0.0250	<0.0250	0.0605 *	<0.0250	<0.0250	0.0924	<0.0500	1.51
BLOQ	14.9	1.06	<0.0250	<0.0500	<0.0250	<0.0250	0.0463 *	< 0.0250	<0.0250	0.137	<0.0500	3.65
<0.0480	81.1	17.1	<0.0480	<0.0480	0.0270	< 0.0240	0.0503 *	<0.0240	<0.0240	0.579	<0.0480	13.6
<0.0250	1.33	<0.0250	<0.0250	<0.0500	<0.0250	<0.0250	0.0586 *	< 0.0250	0.0298	< 0.0500	<0.0500	0.855
BLOQ	3.96	0.115	< 0.0236	< 0.0250	< 0.0250	<0.0250	0.0460 *	< 0.0250	<0.0250	0.0743	<0.0500	1.31
0.122	164	40.1	0.202	0.0758	0.0843	0.118	0.186	0.0621	0.101	3.13	0.0719	12.2
0.0717	0.568	0.0615	0.0591	<0.0500	0.0407 *	0.0297 *	0.106 *	< 0.0250	0.0304	0.0388	0.0387	0.610
0.0570	98.5	44.8	0.0415	<0.0250	0.0516	0.0693	0.0900 *	0.0296	0.0314	0.656	<0.0250	2.58
0.174	249	236	<0.0250	<0.0500	0.0534	0.0577	0.0924 *	0.0295	<0.0500	0.291	<0.0250	1.19
0.121	145	161	<0.0250	<0.0250	<0.0250	0.0552	0.0564 *	0.0258	<0.0250	0.707	<0.0250	1.40
imit of Quanti	tation.											
sult due to no	n-complian	t QC										
	BLOQ BLOQ 8LOQ <0.0480 <0.0250 BLOQ 0.122 0.0717 0.0570 0.174 0.121 Limit of Quanti	BLOQ 2.02 BLOQ 6.46 BLOQ 14.9 <0.0480 81.1 <0.0250 1.33 BLOQ 3.96 0.122 164 0.0717 0.568 0.0570 98.5 0.174 249 0.121 145 Limit of Quantitation.	BLOQ 2.02 0.0789 BLOQ 6.46 0.318 BLOQ 14.9 1.06 <0.0480 81.1 17.1 <0.0250 1.33 <0.0250 BLOQ 3.96 0.115 0.122 164 40.1 0.0717 0.568 0.0615 0.0570 98.5 44.8 0.174 249 236 0.121 145 161	BLOQ 2.02 0.0789 <0.0250 BLOQ 6.46 0.318 <0.0250	BLOQ 2.02 0.0789 <0.0250 <0.0250 BLOQ 6.46 0.318 <0.0250	BLOQ 2.02 0.0789 <0.0250 <0.0250 <0.0250 BLOQ 6.46 0.318 <0.0250	BLOQ 2.02 0.0789 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0240 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0297* <0.0297* <0.0297* <0.0570 98.5 44.8 0.0415 <0.0250 <0.0534 0.0577 <0.021 145 161 <0.0250 <0.0250 <0.0250 <0.0250 <0.0552 Limit of Quantitation.	BLOQ 2.02 0.0789 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 0.0886 * BLOQ 6.46 0.318 <0.0250	BLOQ 2.02 0.0789 <0.0250 <0.0250 <0.0250 <0.0250 0.0886 * <0.100 BLOQ 6.46 0.318 <0.0250	BLOQ 2.02 0.0789 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0240 <0.0250 <0.0240 <0.0240 <0.0240 <0.0240 <0.0240 <0.0240 <0.0240 <0.0240 <0.0240 <0.0240 <0.0240 <0.0240 <0.0240 <0.0240 <0.0240 <0.0240 <0.0240 <0.0240 <0.0240 <0.0240 <0.0240 <0.0240 <0.0240 <0.0240 <0.0240 <0.0240 <0.0240 <0.0240 <0.0240 <0.0240 <0.0240 <0.0240 <0.0240 <0.0240 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.0250 <0.02	BLOQ 2.02 0.0789 <0.0250 <0.0250 <0.0250 <0.0250 0.0886 * <0.100 <0.0500 0.171 BLOQ 6.46 0.318 <0.0250 <0.0250 <0.0250 <0.0250 0.0605 * <0.0250 <0.0250 <0.0250 0.0605 * BLOQ 14.9 1.06 <0.0250 <0.0500 <0.0250 <0.0250 0.0463 * <0.0250 <0.0250 <0.0250 0.137 <0.0480 81.1 17.1 <0.0480 <0.0480 0.0270 <0.0240 0.0503 * <0.0240 <0.0240 <0.0240 0.579 <0.0250 1.33 <0.0250 <0.0250 <0.0500 <0.0250 <0.0250 0.0586 * <0.0250 0.0298 <0.0500 BLOQ 3.96 0.115 <0.0236 <0.0250 <0.0250 <0.0250 <0.0250 0.0460 * <0.0250 <0.0250 0.0460 * <0.0250 <0.0250 0.0743 0.122 164 40.1 0.202 0.0758 0.0843 0.118 0.186 0.0621 0.101 3.13 0.0717 0.568 0.0615 0.0591 <0.0500 0.0407 * 0.0297 * 0.106 * <0.0250 0.0304 0.0388 0.0570 98.5 44.8 0.0415 <0.0250 0.0516 0.0693 0.0900 * 0.0296 0.0314 0.656 0.174 249 236 <0.0250 <0.0500 <0.0500 0.0552 0.0564 * 0.0258 <0.0250 0.707 Limit of Quantitation.	BLOQ 2.02 0.0789 <0.0250 <0.0250 <0.0250 <0.0250 0.0886 * <0.100 <0.0500 0.171 <0.0500 BLOQ 6.46 0.318 <0.0250 <0.0250 <0.0250 <0.0250 0.0605 * <0.0250 <0.0250 0.0605 * <0.0250 0.0924 <0.0500 BLOQ 14.9 1.06 <0.0250 <0.0500 <0.0250 <0.0250 0.0463 * <0.0250 <0.0250 0.0250 0.037 <0.0500 <0.0480 81.1 17.1 <0.0480 <0.0480 0.0270 <0.0240 0.0503 * <0.0240 <0.0240 0.579 <0.0480 <0.0250 1.33 <0.0250 <0.0250 <0.0500 <0.0250 <0.0250 0.0586 * <0.0250 0.0298 <0.0500 <0.0500 BLOQ 3.96 0.115 <0.0236 <0.0250 <0.0250 <0.0250 <0.0250 0.0460 * <0.0250 <0.0250 0.0460 * <0.0250 0.0743 <0.0500 0.122 164 40.1 0.202 0.0758 0.0843 0.118 0.186 0.0621 0.101 3.13 0.0719 0.0717 0.568 0.0615 0.0591 <0.0500 0.0407 * 0.0297 * 0.106 * <0.0250 0.0304 0.0388 0.0387 0.0570 98.5 44.8 0.0415 <0.0250 0.0516 0.0693 0.0900 * 0.0296 0.0314 0.656 <0.0250 0.121 145 161 <0.0250 <0.0250 <0.0250 0.0552 0.0564 * 0.0258 <0.0250 0.707 <0.0250 0.0258 <0.0250 0.707 <0.0250 0.121 145 161 <0.0250 <0.0250 <0.0250 0.0552 0.0564 * 0.0258 <0.0250 0.707 <0.0250 0.00250 0.707 <0.0250 0.101 145 161 <0.0250 0.0250 0.0552 0.0552 0.0564 * 0.0258 <0.0250 0.707 <0.0250 0.10250 0.707 <0.0250 0.0552 0.0564 * 0.0258 <0.0250 0.707 <0.0250 0.707 <0.0250 0.0550 0.0564 * 0.0258 <0.0250 0.0560 0.707 <0.0250 0.0560 0.0552 0.0564 * 0.0258 <0.0250 0.0560 0.707 <0.0250 0.0560 0.05

ng/mL	2/1/2015	5/27/15	8/6/15	10/26/15	1/21/16	5/12/16	8/18/16	11/30/16	2/28/17	5/4/17	7/28/17	10/8/17	3/10/18
PFBA	0.0319	< 0.0250	<0.0500	0.0341	0.0986	0.136	0.0927	0.0796 *	<0.100	< 0.0500	0.338	< 0.100	0.444
PFHxA	0.0565	< 0.0250	0.0356	<0.0250	0.287	0.218	0.0906	0.0896 *	< 0.0250	< 0.0250	0.0969	<0.0250	1.34
PFHpA	0.0583	< 0.0250	0.0330	<0.0250	1.06	0.294	0.109	0.0936 *	< 0.0250	< 0.0250	0.111	< 0.0250	3.34
PFOA	0.405	0.138	0.146	0.103	8.70	1.63	0.645	0.396	0.0978	0.0510	0.507	0.0388	11.6
PFBS	0.0761	0.0962	0.169	0.105	0.0846	0.170	0.107	0.0898	2.76	0.685	<0.0500	0.185	0.784
PFHS	0.0445	0.0411	0.0329	< 0.0236	0.857	0.305	0.150	0.0901 *	<0.0250	<0.0250	0.0555	<0.0250	1.16
PFOS	1.87	1.38	0.990	0.854	17.4	9.02	4.96	2.13	0.848	0.796	2.37	0.531	10.8
FBSA	0.213	NR	0.105	0.106	0.0773	0.108	0.107 *	1.55 *	0.637	0.455	0.0322	0.135	0.573
PFOSA	0.236	0.258	0.0826	0.0463	0.650	1.38	0.532	0.841 *	0.316	0.407	0.489	<0.0250	2.18
NMeFOSAA	0.402	0.346	0.0407	<0.0250	1.63	1.26	0.157	0.153	0.789	0.0867	0.195	< 0.0250	0.988
NEtFOSAA	0.407	0.296	0.0604	<0.0250	1.51	1.14	0.350	0.150	0.644	0.175	0.467	<0.0250	1.26
NR = Not Repor	table due to n	on-complia	nt sample (QC.									
* Qualitative res	sult due to no	n-complian	t QC										

* Qualitative re	sult due to non	-compliant (QC				1-7-						
NR = Not Repor	rtable			L. C. C.S.									
NEtFOSAA	0.0909	0.450	0.079	0.0859	1.14	0.106	0.0293	1.79	2.01	0.0516	0.247	1.78	1.75
NMeFOSAA	0.0704	0.676	0.0889	0.0543	0.703	0.0694	< 0.0250	1.03	2.37	0.0482	0.0982	1.06	1.34
PFOSA	0.109	0.343	0.218	0.0676	0.613	0.235	0.110	3.18	1.88	0.244	0.264	1.68	2.85
FBSA	0.196	NR	0.430	0.0862	<0.0500	0.0409 *	0.0396 *	0.0399	0.0389	0.0336	0.0320	0.0543	0.107
PFOS	0.503	3.75	0.454	0.461	3.22	0.495	0.348	4.58	5.47	0.336	1.43	4.41	6.44
PFHS	0.0858	0.155	<0.0236	<0.0236	0.0855	<0.0250	<0.0250	0.115	0.0781	<0.0250	<0.0250	0.145	0.280
PFBS	0.0700	0.0915	0.0782	<0.0250	<0.0500	0.0323	<0.0250	0.0747	<0.0500	<0.0250	<0.0500	0.0889	0.117
PFOA	0.0971	1.14	0.176	<0.0480	0.802	0.0851	0.0383	1.04	0.876	0.0457	0.212	1.24	2.01
PFHpA	0.0922	0.199	0.0288	<0.0250	0.139	<0.0250	<0.0250	0.19	0.146	<0.0250	0.0412	0.293	0.622
PFHxA	0.0660	0.237	<0.0250	<0.0250	0.120	<0.0250	<0.0250	0.213	0.152	<0.0250	<0.0500	0.348	0.546
PFBA	0.0896	0.366	<0.0500	<0.0250	0.134	<0.0250	<0.0250	0.38	0.379	<0.0500	0.156	0.550	0.562
ng/mL	2/16/2015	5/27/15	7/29/15	10/26/15	1/21/16	5/12/16	8/18/16	11/30/16	2/28/17	4/30/17	7/28/17	10/8/17	3/10/18

FORM 2F NPDES

Outfall Location

U.S. Environmental Protection Agency Washington, DC 20460

Application for Permit to Discharge Storm Water Discharges Associated with Industrial Activity

Paperwork Reduction Act Notice

Public reporting burden for this application is estimated to average 28.6 hours per application, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate, any other aspect of this collection of information, or suggestions for improving this form, including suggestions which may increase or reduce this burden to: Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 1200 Pennsylvania Avenue, NW, Washington, DC 20460, or Director, Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. Outfall Number (list)	В.	Latitude	C. Longitude		D. Receiving Water (name)					
See Attachment										
2F-1 for Outfall										
Locations										
					1000 0000					
						Difference.				
		7/1/								
II. Improvements										
treatment equipment or	practices of ministrativ	or any other en	vironmental programs which may aff	nentation schedule for the construction, upgrading fect the discharges described in this application? T schedule letters, stipulations, court orders, and grad	his includes, but is nt or loan condition 4. F	not limited				
Agreements, Etc.		number	source of discharge	3. Brief Description of Project	a. req.	b. proj.				
ot Applicable					T					
					T. 12 12					
		-								
					_					
B: You may attach addition way or which you plan. I	al sheets on all sheets of the	describing any nether each pro	additional water pollution (or other en ogram is now under way or planned,	nvironmental projects which may affect your discha and indicate your actual or planned schedules for o	rges) you now have construction.	ve under				

Attach a site map showing topography (or indicating the outline of drainage areas served by the outfalls(s) covered in the application if a topographic map is unavailable) depicting the facility including: each of its intake and discharge structures; the drainage area of each storm water outfall; paved areas and buildings within the drainage area of each storm water outfall, each known past or present areas used for outdoor storage of disposal of significant materials, each existing structural control measure to reduce pollutants in storm water runoff, materials loading and access areas, areas where pesticides, herbicides, soil conditioners and fertilizers are applied; each of its hazardous waste treatment, storage or disposal units (including each area not required to have a RCRA permit which is used for accumulating hazardous waste under 40 CFR 262.34); each well where fluids from the facility are injected underground; springs, and other surface water bodies which received storm water discharges from the facility. Refer to Figure 2F-2 and Attachment 2F-2

IND MINICIPANCE

Continue on Page 2

IV. Narrativ	e Description of Pollutant	Sources		Mark the state of	(-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1
A. For each or drained by		ude units) of imperious surface	es (including paved ar	eas and building roofs) drained to the outfall, and	an estimate of the total surface area
Outfall	Area of Impervious Surface	Total Area Drained	Outfall	Area of Impervious Surface	Total Area Drained

Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)	Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)
	See Figure 2F-2				
			-		
The same		The state of the s			

B. Provide a narrative description of significant materials that are currently or in the past three years have been treated, stored or disposed in a manner to allow exposure to storm water; method of treatment, storage, or disposal; past and present materials management practices employed to minimize contact by these materials with storm water runoff; materials loading and access areas, and the location, manner, and frequency in which pesticides, herbicides, soil conditioners, and fertilizers are applied.

See Attachment 2F-3

C. For each outfall, provide the location and a description of existing structural and nonstructural control measures to reduce pollutants in storm water runoff; and a description of the treatment the storm water receives, including the schedule and type of maintenance for control and treatment measures and the ultimate disposal of any solid or fluid wastes other than by discharge.

Outfall Number	Treatment	List Codes from Table 2F-1
003-006 DSN 002 & 007-012	All outfalls are covered under the BMP Plan. All have gated structures that can be closed to contain spills. Outfalls DSN 002 (storage and loading & unloading) & DSN 007-012 (non-production areas) are regularly inspected. Stormwater discharges to an infiltration pond, which is regularly inspected.	4-A

V. Nonstormwater Discharges

A. I certify under penalty of law hat the outfall(s) covered by this application have been tested or evaluated for the presence of nonstormwater discharges, and that all nonstormwater discharged from these outfall(s) are identified in either an accompanying Form 2C or From 2E application for the outfall.

Name and Official Title (type or print)

Michelle Howell

Signature

Date Signed

8 3 18

B. Provide a description of the method used, the date of any testing, and the onsite drainage points that were directly observed during a test.

Visual non-stormwater inspections during dry weather are conducted regularly. There have been no observed discharges present except at Outfall DSN006. This outfall includes flow from a spring.

VI. Significant Leaks or Spills

Provide existing information regarding the history of significant leaks or spills of toxic or hazardous pollutants at the facility in the last three years, including the approximate date and location of the spill or leak, and the type and amount of material released.

See Attachment 2F-4

Continued	from	Page	2
Jonathaca	II OIII	I aye	-

EPA ID Number (copy from Item 1 of Form 1) AL0000205

VII. Discharge Information		第一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个	经6.25 的基础建设6.2000万元
	proceeding. Complete one set of tables for each		space provided.
E. Potential discharges not covered is currently use or manufacture as an	by analysis – is any toxic pollutant listed in tal intermediate or final product or byproduct?	ole 2F-2, 2F-3, or 2F-4, a substance or a	component of a substance which you
Yes (list all such pollutar		No (go to Section IX)	
011, and 012 (first quarter 20	ary of quarterly NPDES permit testin 15 through first quarter 2018).	ny for perfidoroankyi substances	for outrains DSN 002-009,
VIII. Biological Toxicity Testing	g Data to believe that any biological test for acute or cl		
relation to your discharge within the las	t 3 years?	from toxicity has been made on any or yo	ur discharges or on a receiving water in
Yes (list all such pollutant	s below) was conducted at outfall 001 in ac	No (go to Section IX)	
Yes (list the name, addres	on em VII performed by a contract laboratory or cons.s, and telephone number of, and pollutants the laboratory or firm below)	isulting firm?	
A. Name	B. Address	C. Area Code & Phone No.	D. Pollutants Analyzed
Enersolv (performs sampling)	2220 Beltline Road Decatur, AL 35601	(256) 350-0846	All NPDES Form 2F parameters
Pace Analytical (sample analysis)	1800 Elm Street SE Minneapolis, MN 55414	(612) 607-6400	All NPDES Form 2F parameters except for PFAS
X. Certification	ocument and all attachments were prepared un	ader my direction or supportion in second	
directly responsible for gathering the in	and evaluate the information submitted. Based formation, the information submitted is, to the information factorial formation and factorial factor	on my inquiry of the person or persons who	o manage the system or those persons
A. Name & Official Title (Type Or Print)		B. Area Code and Phone No.	
Michelle Howell		(256) 552-6300	
C. Signature	M	D. Date Signed	

EPA Form 3510-2F (1-92)

Page 3 of 3

VII. Discharge information (Continued from page 3 of Form 2F)

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

		um Values de units)		age Values lude units)	Number	
Pollutant and CAS Number (if available)	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	of Storm Events Sampled	Sources of Pollutants

Oil and Grease

Biological Oxygen Demand (BOD5) Chemical Oxygen Demand (COD) Total Suspended Solids (TSS)

See Attachment 2F-5. Results for DSN 002, 003, 004, 005, 006, 007, 008, 009, 011, and 012 only are included in this application. Sampling of DSN 010 and 013 has not been possible due to no flow at these locations.

Total Phosphorus

Total Nitrogen

Part B – List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

	The state of the s	um Values de units)	0.00	age Values lude units)	Number	
Pollutant and CAS Number (if available)	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	of Storm Events Sampled	Sources of Pollutants

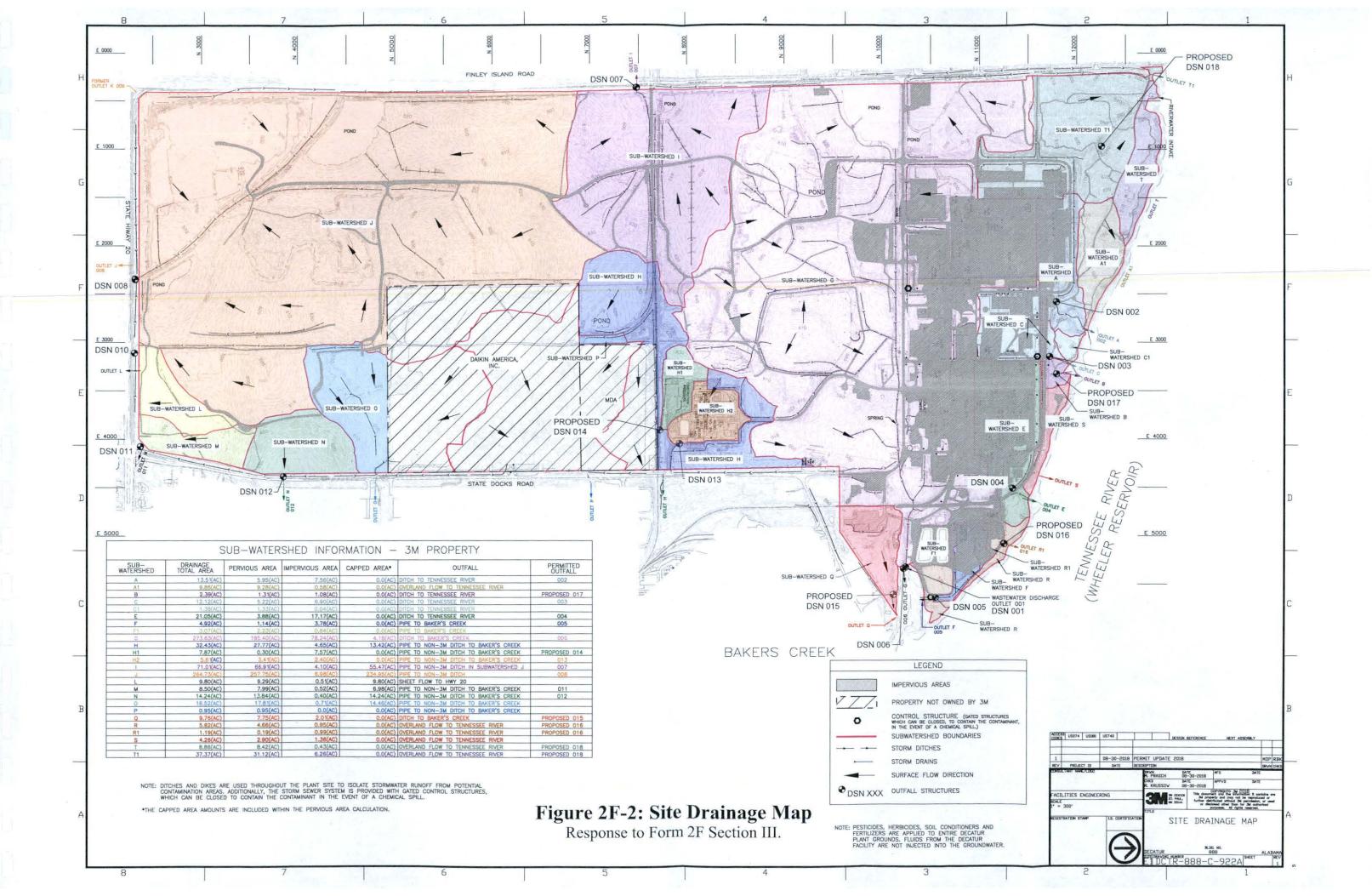
See Attachment 2F-5.

Continued from the Front

Part C - List	each pollutant show	n in Table 2F-2, 2F-3 one table for each ou	, and 2F-4 that you	know or have reason to belie	eve is present. See the instruc	tions for additional details and
G William	Maximur	n Values	Aver	age Values clude units)	Number	
Pollutant and CAS Number (if available)	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted	of Storm Events	urces of Pollutants
			See Att	eachment 2F-5.		
Part D - Pr	ovide data for the stor	m event(s) which resu	ulted in the maximu	um values for the flow weighted 4.	5.	
1. Date of Storm Event	2. Duration of Storm Event (in minutes)	3. Total rain during storm (in inch	n event	Number of hours between beginning of storm measured and end of previous measurable rain event	Maximum flow rate during	6. Total flow from rain event (gallons or specify units)
Not yet available						
7. Provide a	description of the met	hod of flow measuren	nent or estimate		L	
The state of the s				be provided when $sample$	es have been collected	and analyzed

Attachment 2F-1: Regulated Outfalls Response to Form 2F Section I.

Outfall Number	Latitude	Longitude	Receiving Water	Notes
DSN 002	34.645813	-87.044169	Tennessee River	
DSN 003	34.645570	-87.042325	Tennessee River	
DSN 004	34.644487	-87.037799	Tennessee River	
DSN 005	34.642267	-87.034101	Baker's Creek	
DSN 006	34.641380	-87.035114	Baker's Creek	
DSN 007	34.634057	-87.051786	Unnamed Tributary to Baker's Creek	Request to remove from permit –no longer any industrial activities in this sub-watershed
DSN 008	34.619805	-87.045471	Unnamed Tributary to Baker's Creek	Request to remove from permit –no longer any industrial activities in this sub-watershed
DSN 009	34.619905	-87.051523	Unnamed Tributary to Baker's Creek	Request to remove from permit – no longer receives flow from 3M property
DSN 010	34.619760	-87.042919	Unnamed Tributary to Baker's Creek	Request to remove from permit – no longer any industrial activities in this sub-watershed
DSN 011	34.619855	-87.039644	Unnamed Tributary to Baker's Creek	Request to remove from permit –no longer any industrial activities in this sub-watershed
DSN 012	34.623909	-87.038602	Unnamed Tributary to Baker's Creek	Request to remove from permit –no longer any industrial activities in this sub-watershed
DSN 013	34.635025	-87.039484	Unnamed Tributary to Baker's Creek	
Outlet H1 (Proposed DSN 014)	34.634537	-87.039946	Unnamed Tributary to Baker's Creek	Request to add to permit
Outlet Q (Proposed DSN 015)	34.641101	-87.034215	Tennessee River	Request to add to permit
Outlet R (Proposed DSN 016)	34.644233	-87.035877	Tennessee River	Request to add to permit
Outlet B (Proposed DSN 017)	34.645700	-87.041800	Tennessee River	Request to add to permit
Outlet T1 (Proposed DSN 018)	34.647100	-87.049500	Tennessee River	Request to add to permit



Attachment 2F-2: Description of Sub-watersheds and Outfalls

Response to Form 2F Section III.

Note: In general, changes to the sub-watersheds and outfalls are a result of ongoing capping activities in the south fields, various plant-related construction projects and an updated site-wide topographic map with a 1-foot contour interval developed using aerial imagery and photogrammetry.

Sub-watershed A

Outlet A - Outfall DSN 002

This outfall is located in the northwest portion of the plant. Discharge from this area is through a 48-inch x 32-inch elliptical pipe. The industrial activity in this area includes material storage in silos and loading/unloading. The discharge from this area is covered under storm water regulations.

Sub-watershed A1

Outlet A1

This sub-watershed was newly delineated as a result of higher resolution topographic maps since the last permit renewal. No industrial activity takes place in this sub-watershed and discharge from this area is to the Tennessee River via sheet flow.

Sub-watershed B

Outlet B - Proposed Outfall DSN 017

This watershed has been newly delineated since the last permit renewal to encompass areas with industrial activity. Industrial activity in this area includes loading/unloading, material storage, and rail car storage. Discharge from this area is through a 24-inch culvert. The discharge from this area is requested to be added to the renewed permit for coverage under storm water regulations.

Sub-watershed C

Outlet C - Outfall DSN 003

This outfall is located in the northern portion of the facility. The industrial activity in this area includes a boneyard that stores scrap metal and wood. Runoff from this area discharges to the stormwater outfall. Discharge from this area is through a 36-inch culvert. The discharge from this area is covered under storm water regulations.

Sub-watershed C1

Outlet C1

This sub-watershed was newly delineated as a result of higher resolution topographic maps since the last permit renewal. No industrial activity takes place in this sub-watershed and discharge from this area is to the Tennessee River via sheet flow.

Sub-watershed D

Outlet D

The areas formerly part of sub-watershed D have been newly delineated to be part of sub-watershed T based on higher resolution topographic maps. Outlet D no longer exists.

Sub-watershed E

Outlet E - Outfall DSN 004

This outfall is located in the northeastern portion of the plant. Discharge from this area is through a 48-inch culvert. The industrial activity in this area includes the North, West, and East tank farm

areas, material and drum storage, loading/unloading and a contractor storage area. The discharge from this area is covered under storm water regulations.

Sub-watershed F

Outlet F - Outfall DSN 005

This outfall drains the area around the wastewater treatment plant, which is located east of the facility. Discharge from this area is through a 24-inch culvert. The discharge from this area is covered under storm water regulations.

Sub-watershed F1

Outlet F1

This watershed consists of the areas around the polishing ponds, which are located directly south of the wastewater treatment plant. Runoff from this area is into the polishing ponds. The discharge from the ponds is covered under wastewater regulations under outfall DSN 001A and DSN 001.

Sub-watershed G

Outlet G - Outfall DSN 006

This outfall drains the southern portion of the facility and a large open field area. A spring is located as indicated on the site maps. The outfall is located on the eastern side of the facility. This outfall includes run on from an area west of the facility that is routed onto 3M properties through a 48-inch culvert. The run on consists of storm water runoff from the Indorama facility and from the highway that runs north and south along the western side of 3M's property. Discharge from this outfall is covered under storm water regulations.

Sub-watershed H

Outlet H - Outfall DSN 013

This outfall drains the Plastics Manufacturing area. The activities include above ground storage tanks, drum storage, loading/unloading and railroad tracks. The AST secondary containment discharges to the chemical sewer system with the exception of the DI water and the Calcium Chloride tanks. Stormwater from the overall area discharges to a pond that historically does not discharge off-site. The detention area in Area H-2 contains a concrete weir wall structure that controls the level of the permanent pool and may or may not have overflow during precipitation events that contribute to DSN 013.

Sub-watershed H1

Outlet H1 - Proposed Outfall DSN 014

This outfall drains a small area in the southwest corner of the Plastics Manufacturing area that is not routed to the storm water pond. The activities include material storage, trailer storage, and loading/unloading. The outlet is located south of the drainage area just prior to entering a ditch adjacent to railroad tracks that are not owned by 3M. 3M is requesting this outlet to be added to the renewed permit for coverage under stormwater regulations.

Sub-watersheds I, J, K, L, M, N

Outlets I, J, K, L, M, N - Outfalls DSN 007 through 012

These permitted outfalls historically received runoff from the former sludge incorporation area (FSIA). Going forward, these areas will be maintained as open, vegetated fields. Because stormwater is no longer in contact with the FSIA and there will be no industrial activity in these areas, the outlets no longer require coverage under storm water regulations. Also note, outfall DSN 009 no longer receives flow from the property due to elimination of sub-watershed K as a result of soil excavation activities (capping related) in the southwest corner of the site. 3M requests that these outfalls be removed from the permit.

3M proposes to continue to monitor outfalls DSN 007, DSN 008, DSN 010, DSN 011 and DSN 012 for poly- and perfluoroalkyl substances (PFAS) to evaluate the effectiveness of the multi-layer cap. This monitoring could be incorporated into the NPDES Remedial Action Agreement.

Sub-watershed O and P

Outlets O and P

A portion of sub-watershed O is located on 3M property and was part of the FSIA. The multi-layer cap is currently being constructed over this area. Placement of the 40-mil liner will be completed by the end of 2018. The remainder of sub-watershed O and sub-watershed P drain areas that are not owned by 3M and are therefore not included in this permit application. These sub-watersheds are monitored by a neighboring facility.

Sub-watershed Q

Outlet Q - Proposed Outfall DSN 015

This drainage area is located south of the wastewater treatment facility. 3M recently installed a containment system for storage of hazardous material trailers that would discharge to this outlet. Because of this new activity, 3M is requesting this outlet to be added to the renewed permit for coverage under stormwater regulations.

Sub-watershed R

Outlet R

This drainage area is located on the east side of the facility. Runoff from these areas is routed to the Tennessee River via sheet flow.

Sub-watershed R1

Outlet R1 - Proposed Outfall DSN 016

3M is currently undertaking a project to install a process water treatment system in this area. Because of this new industrial activity, 3M is requesting this outlet to be added to the renewed permit for coverage under stormwater regulations.

Sub-watershed S

Outlet S

This drainage area is located on the north side of the facility. The only activities in this area are railroad tracks. Runoff from these areas is routed to the Tennessee River via sheet flow. Therefore, these areas do not require coverage under storm water regulations.

Sub-watershed T

Outlet T

This sub-watershed was newly delineated as a result of higher resolution topographic maps since the last permit renewal. The water intake structure for the facility is located within this drainage area; however, no discernable discharge point has been observed in the area of the intake structure. Therefore, this area is not covered by stormwater regulations.

Sub-watershed T1

Outlet T1 - Proposed Outfall DSN 018

This drainage area is located on the northwest side of the facility. Recently 3M has modified this drainage area to include a building expansion. These modifications have resulted in the direction of runoff from areas that will contain roadways and manufacturing buildings. No chemicals storage will occur in this area. Because of this new industrial activity, 3M is requesting this outlet to be added to the renewed permit. The outlet is located just northwest of a new stormwater retention basin that accepts flow from roadways and buildings in the sub-watershed.

Attachment 2F-3: Significant Materials Exposure Response to Form 2F Section IV.B.

Outfall Number	Description				
DSN 002	Particulate polyester				
DSN 002 DSN 003	Tanks in this area have stormwater going into the chemical sewer system				
DSN 003	Listed wastes F002, F003, and F005 north of Bldg. 4.				
DSN 004	PBSF tanks (out of service)				
	Chemical plant tank farm containing acetone, ethyl acetate, and heptane.				
	Methylamine tanks located north of Bldg. 41.				
	TFE, VF2, propylene tanks east of Bldg. 38, DFE and ethylene oxide cylinders				
	Hexafluoropropylene tank southwest of Bldg. 38.				
	Ethylene carbonate and methylamine located west of Bldg. 3.				
DOM OOF					
DSN 005	There are various activities associated with the wastewater treatment plant including				
	the treatment of wastewater sludge material.				
	Lime and phosphoric acid located at the wastewater treatment plant.				
	Magnesium oxide tank at wastewater treatment plant				
DONOG	Sulfuric Acid and Sodium Hydroxide Totes				
DSN 006	Used oil storage south of building 13 and east of Bldg. 5.				
	Bulk Hazardous waste loading station south of the boiler house				
	Hazardous waste drum storage south of Bldg. 19.				
	Bldgs. 15 and 74 tank farms located adjacent of each building containing storage fo				
	methanol and ethylene glycol.				
	Kelite solution located north of Bldg. 39.				
	Propane tanks west of building 19 and north of Bldg. 20.				
	Dimethyl terapthalate tanks located south of Bldg. 15.				
	Various Suez chemicals on the south and east side of boilerhouse and Bldg. 76.				
	Fuel oil #2 and #6 east of the boilerhouse.				
	Fuel oil #2 at building 6, west of building 36, and at the fire test area.				
	Fuels in an aboveground tank at the fire test area.				
	Propane south of Bldg. 49.				
	Gasoline tank located at the hazardous waste tank farm south of Bldg. 5.				
DSN 013	Calcium Chloride tank				
	Sodium Hydroxide tank north of Bldg. 82				
	Polyvinylidene fluoride powders				
	Raw material and Hazardous Waste Tanker Storage, Unloading and Loading				
	stations				
DSN 014	Tanker Parking lot				
DSN 015	Hazardous Waste Tankers and Product Tankers Storage location				
DSN 016	Diesel fuel oil storage Bldg 36.				
	A small amount of stormwater runoff from the wastewater treatment plant				
	discharges from this area.				
DSN 017	Stationary Storage of Resin				

Attachment 2F-3: Stormwater Management Practices

Response to Form 2F Section IV.B.

- Many of the outside tanks have containment areas or dikes to contain any spilled material.
 Many of these containment areas are piped directly into the wastewater treatment area. Some of the containment areas not piped directly to the wastewater treatment area are checked periodically for leaks.
- 2. Spills from outside storage areas are handled by trained individuals from the emergency response squad. Spill containment items have been set up in various locations throughout the plant and a spill van is available at the fire truck house for mobile use.
- 3. The wastewater facility has access to a vacuum truck that can be used to collect large liquid spills. If a spill occurs to the stormwater, wastewater personnel are also trained to close specified stormwater gates in order to help contain the spill.
- 4. An SPCC plan has been set up for all petroleum based products used. A RCRA contingency plan has been set up for hazardous wastes that are generated and managed.
- 5. Used oil is stored in either buildings or containment areas.
- 6. Stormwater containment pits have been constructed at various locations throughout the plant site. Water is visually checked before being released to the site drainage ditches. At the fire test area, a collection pit is pumped off and released to wastewater.
- 7. Trucks containing spilled material are taken to wastewater and washed out on the cleaning pad. The two drum washing stations and the pipe washing station have concrete containment and are drained to wastewater.
- 8. The hazardous waste tank loading stations have coated concrete containment. The outside hazardous waste drum storage area has a coated containment area. The film plant rail car dock area has its runoff fed to a containment area which is pumped off to wastewater.
- 9. The chemical plant rail unloading station has a containment area. The film plant rail car dock area has its runoff fed to a containment area which is pumped off to wastewater.
- 10. The outside storage, unloading, and containment areas have a daily, weekly, or monthly inspection conducted by plant personnel.
- 11. Stormwater ditches and pools are randomly checked from time to time to detect any unusual conditions of the stormwater.

Attachment 2F-3: Material Loading, Access, and Cleaning Stations Response to Form 2F Section IV.B.

1.	Bldg 59, 39, 17, 74, 14, 28, and 1 loading docks.
2.	Rail car dock area located north of DMT tanks and south of Bldg. 19 and 15.
3.	Sodium hydroxide unloading east of Bldg 3 and north of Bldg 5.
4.	Used oil drum loading south of Bldg 13 and east of Bldg. 5.
5.	Hazardous waste drum loading south of Bldg. 19.
6.	DMT tank unloading south of Bldg. 15.
7.	Rail car unloading north of Bldg. 5.
8.	Rail car unloading north of chemical plant tank farm.
9.	Tank area loading between Bldg. 3 and 4.
10.	Unloading area for aboveground tanks at wastewater treatment plant and indoor sludge loading.
11.	Unloading of fuel oils, gasoline, and aviation fuel at the various tanks located around the plant site.
12.	Drum cleaning station and crusher located west of Bldg. 1.
13.	Drum cleaning station located between building 3 and 4.
14.	Loading and unloading station west of Bldg 9.
15.	Loading station east of Bldg. 38.
16.	Subwater shed Q includes trailer staging and access area at parking area east of main gate guardhouse.
17.	Truck, drum, tank, and box loading and unloading Plastics Plant north of 84, west of plant and north of 82.
18.	Tanker Unloading Station (Primarily Tank Farm 398).
19.	Wash Pad.
20.	WDF tanker loading station south of Bldg. 5.
21.	Scrap Flake trailer loading area west of Bldg. 14.

Attachment 2F-3: Landscaping Applications Response to Form 2F Section IV.B.

Locations	Frequency		
South Fields			
Fertilizers			
17-17-17	1 time per year		
Lime	1 time every 1 to 2 years		
Lesco 25-2-5	2-3 times per year		
Pre-emergent			
14-14-14	2-3 times per year		
Herbicides			
Roundup Ultra	1 time per year		
Garlon 3A	12 times per year		
Prosecutor (Roundup)	10-15 times per year		
Plant Grounds			
Fertilizers			
Lesco 25-2-5	2-3 times per year		
Pre-emergent			
14-14-14	2-3 times per year		
Herbicides			
Snapshot 2.5	2-3 times per year		
Three-way Selective	1-2 times per year		
Prosecutor (Roundup)	10-15 times per year		
Amine 2-4D	5-6 times per year		
Insecticides	A Secretary Constitution		
Bandit	1 time per year		
Dormant Oil	2-3 times per year		

Attachment 2F-4: Significant Leaks or Spills

Response to Form 2F Section VI.

Date	Location	Amount	Material
June 29, 2017	Building 3	700 pounds	Methylamine
April 21, 2016	Building 3	6,000 pounds	Toluene

Spill Criteria:

- 1) Release was non-airborne,
- 2) Identified material is hazardous or toxic, and
- 3) Spill occurred outside that had a potential to discharge through stormwater outfalls or direct discharge to river.

				Max \	/alues	Avg V			
	Pollutant	er598 v/	25.20		Flow-		Flow-	No. Storm	
	Tollatant	Believed	Testing		Weighted	ANY TOWN CONTRACT OF SA	Weighted	Events	X emonator
		Present	Required	Initial Grab	Composite	Initial Grab	Composite	Sampled	Units
rt A	Required Parameters								
	O&G	NA	X	0		0		12	mg/L
	BOD5	NA	X	CEL				0	
	COD	NA	X	73.5		21.2	V.	14	mg/l
	TSS	NA	X	70.0		15.1		14	mg/
	Total Nitrogen	NA	X	7 11 -				0	
	Total Phosphorus	NA	X	111111111111				0	-
	pH	NA	X	7.7		7.1		14	SU
t B	Pollutants included in facility effluent guidelines, or listed in NP	DES permit	for process	wastewater (i	e. Outfalls 00	1, 1A, 1B, and	1 1C)		
	TOC	NA	X	27.6		9.06		14	mg/
	Ammonia	NA	X					0	- 0,
	TKN	NA	X					0	
		NA	X					0	
_	Nitrate-Nitrite	NA NA	X		×			0	
	Fluoride								
	E.coli	NA	X					0	
	Chromium, Total	NA	X	100				0	
	Copper, Total	NA	X					0	
	Lead, Total	NA	X		-		F 5 LL 2 H	0	
	Nickel, Total	NA	X					0	
	Zinc, Total	NA	Х					0	
	Perfluoroctanoic Acid (PFOA)						7		
	Perfluorobutanoic Acid (PFBA)								
	Perfluorobutanesulfonamide (PFBSA)	1							
	Perfluorooctanesulfonamide (PFOSA)								
	Perfluorooctanesulfonate (PFOS)	1							
	Perfluorohexanoic Acid (PFHxA)				See Atta	chment 2C-4			
	Perfluoroheptanoic Acid (PFHpA)								
	Perfluorobutanesulfonate (PFBS)								
	- C ((princ)	1							
	Perfluorohexanesulfonate (PFHS)								
	2-(N-ethyl-PFOSA) acetic acid								
	2-(N-ethyl-PFOSA) acetic acid								
	2-{N-ethyl-PFOSA) acetic acid 2-{N-methyl-PFOSA) acetic acid	NΔ	V V			· ·		0	
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	2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride	NA NA NA	X X X					0 0 0	
	2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene	NA NA NA NA	X X X					0 0 0	
	2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene	NA NA NA NA	X X X X					0 0 0 0	
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	2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1-dichloroethane 1,2-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,2-trichloroethane 1,1-dichloroethane 1,2-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane	NA N	X X X X X X X X X X X X X X X X X X X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1-dichloroethane 1,1-trichloroethane 1,1-trichloroethane 1,1-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,2-dichloroethane 1,2-dichloroethane 1,2-dichloroethane 1,2-dichloroethane 1,3-dichlorobenzene 1,4-dichlorobenzene 1,4-dichloroethylene (trans-1,2-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,3-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene)	NA N	X X X X X X X X X X X X X X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1-dichloroethane 1,1-trichloroethane 1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,2-dichlorobenzene 1,2-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethylene (trans-1,2-dichloroethene) 1,2-trans-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol	NA N	X X X X X X X X X X X X X X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,3-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene	NA N	X X X X X X X X X X X X X X X X X X X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane Chloroform 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane 1,3-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene	NA N	X X X X X X X X X X X X X X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,2-trichloroethylene (1,1-dichloroethene) 1,2-trans-dichlorobenzene 1,2-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane)	NA N	X X X X X X X X X X X X X X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1-dichloroethane 1,1-trichloroethane 1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methyl chloride (Chloromethane) Methyl chloride (Chloromethane)	NA N	X X X X X X X X X X X X X X X X X X X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1_1-trichloroethane 1,1_1-trichloroethane 1,1_2-trichloroethane 1,1_2-trichloroethane 1,1_2-trichloroethane 1,1_2-dichloroethane 1,1_2-dichloroethane 1,1_2-dichloroethane 1,1_2-dichloroethane 1,1_2-dichloroethane 1,2-dichloroethane 1,2-dichloroethane 1,2-dichloroethane 1,3-dichloroethylene (trans-1,2-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane) Methylene chloride (Chloromethane) Hexachlorobutadiene	NA N	X X X X X X X X X X X X X X X X X X X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane 1,3-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane) Methyl chloride (Chloromethane) Hexachlorobutadiene Naphthalene	NA N	X X X X X X X X X X X X X X X X X X X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1_1-trichloroethane 1,1_1-trichloroethane 1,1_2-trichloroethane 1,1_2-trichloroethane 1,1_2-trichloroethane 1,1_2-dichloroethane 1,1_2-dichloroethane 1,1_2-dichloroethane 1,1_2-dichloroethane 1,1_2-dichloroethane 1,2-dichloroethane 1,2-dichloroethane 1,2-dichloroethane 1,3-dichloroethylene (trans-1,2-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane) Methylene chloride (Chloromethane) Hexachlorobutadiene	NA N	X X X X X X X X X X X X X X X X X X X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane 1,3-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane) Methyl chloride (Chloromethane) Hexachlorobutadiene Naphthalene	NA N	X X X X X X X X X X X X X X X X X X X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1-dichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane 1,3-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane) Methyl chloride (Chloromethane) Hexachlorobutadiene Naphthalene Nitrobenzene 2-nitrophenol	NA N	X X X X X X X X X X X X X X X X X X X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichlorobenzene 1,2-dichloropropane 1,2-dichloropropane 1,2-dichloropropane 1,2-dichloropropane 1,3-dichloropropane 1,3-dichloropropane 1,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane) Methyl chloride (Chloromethane) Hexachlorobutadiene Naphthalene Nitrobenzene 2-nitrophenol 4-nitrophenol	NA N	X X X X X X X X X X X X X X X X X X X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1-dichloroethane 1,1-trichloroethane 1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1-dichloroethane 1,1-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloroppape 1,2-dichloroppape 1,2-dichloroppape 1,3-dichloroppape 1,3-dichloroppape 1,3-dichloroppape 1,4-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,4-dichloroppape 1,4-dichloroppape 1,4-dichloroppape 1,4-dichloroppape 1,4-dichloroppape 1,4-dichloroppape 1,4-dimethylphenol Ethylbenzene Fluoranthene Methyl chloride (Chloromethane)	NA N	X X X X X X X X X X X X X X X X X X X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1-dichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,2-dichlorobenzene 1,2-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethylene (trans-1,2-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloropropane) 1,2-dichloropropane 1,3-dichloropropane 1,3-dichloropropane 1,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane) Methyl chloride (Chloromethane) Hexachlorobutadiene Naphthalene Nitrobenzene 2-nitrophenol 4,6-dinitro-o-cresol (2-Methyl-4,6-dinitrophenol)	NA N	X X X X X X X X X X X X X X X X X X X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-dichloropenzene 1,3-dichloropenzene 1,3-dichloropenzene 1,3-dichloropenzene 1,3-dichloropenzene 1,2-dichloropenzene 1,2-dichloropenzene 1,3-dichloropenzene 1,3-dichloropenzene 1,3-dichloropenzene 1,3-dichloropenzene 1,3-dichloropenzene 1,3-dichloropenzene 1,3-dichloropenzene 1,3-dichloropenzene 1,3-dichloropenzene 2,4-dimethylphenol Ethylbenzene Fluoranthene Methyl chloride (Chloromethane) Methyl chloride (Chloromethane) Hexachlorobutadiene Naphthalene Nitrobenzene 2-nitrophenol 4-nitrophenol 4,6-dinitro-o-cresol (2-Methyl-4,6-dinitrophenol) Phenol	NA N	X X X X X X X X X X X X X X X X X X X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane 1,3-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane) Methyl chloride (Chloromethane) Hexachlorobutadiene Naphthalene Nitrobenzene 2-nitrophenol 4-nitrophenol 4,6-dinitro-o-cresol (2-Methyl-4,6-dinitrophenol) Phenol Bis(2-ethylhexyl) phthalate	NA N	X X X X X X X X X X X X X X X X X X X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-dichloropenzene 1,3-dichloropenzene 1,3-dichloropenzene 1,3-dichloropenzene 1,3-dichloropenzene 1,2-dichloropenzene 1,2-dichloropenzene 1,3-dichloropenzene 1,3-dichloropenzene 1,3-dichloropenzene 1,3-dichloropenzene 1,3-dichloropenzene 1,3-dichloropenzene 1,3-dichloropenzene 1,3-dichloropenzene 1,3-dichloropenzene 2,4-dimethylphenol Ethylbenzene Fluoranthene Methyl chloride (Chloromethane) Methyl chloride (Chloromethane) Hexachlorobutadiene Naphthalene Nitrobenzene 2-nitrophenol 4-nitrophenol 4,6-dinitro-o-cresol (2-Methyl-4,6-dinitrophenol) Phenol	NA N	X X X X X X X X X X X X X X X X X X X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane Chloroethane Chloroform 1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane 1,3-dichloropropane 1,3-dichloropropalene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane) Methyl chloride (Chloromethane) Hexachlorobutadiene Naphthalene Nitrobenzene 2-nitrophenol 4,-dinitro-o-cresol (2-Methyl-4,6-dinitrophenol) Phenol Bis(2-ethylhexyl) phthalate Di-n-Butyl Phthalate	NA N	X X X X X X X X X X X X X X X X X X X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane Chloroform 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane 1,3-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane) Methyl chloride (Chloromethane) Hexachlorobutadiene Naphthalene Nitrobenzene 2-nitrophenol 4-nitrophenol 2,4-dinitrophenol 4,6-dinitro-o-cresol (2-Methyl-4,6-dinitrophenol) Phenol Bis(2-ethylhexyl) phthalate Dien-Butyl Phthalate	NA N	X X X X X X X X X X X X X X X X X X X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane Chloroethane Chloroform 1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane 1,3-dichloropropane 1,3-dichloropropalene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane) Methyl chloride (Chloromethane) Hexachlorobutadiene Naphthalene Nitrobenzene 2-nitrophenol 4,-dinitro-o-cresol (2-Methyl-4,6-dinitrophenol) Phenol Bis(2-ethylhexyl) phthalate Di-n-Butyl Phthalate	NA N	X X X X X X X X X X X X X X X X X X X						

				Max \	Values	Avg V	/alues		
	Pollutant	Believed	Testing		Flow- Weighted		Flow- Weighted	No. Storm Events	11-24-
		Present	Required	Initial Grab	Composite	Initial Grab	Composite	Sampled	Units
	Benzo(b) fluoranthene (3,4-Benzofluoranthene)	NA	X					0	
_	Benzo(k) fluoranthene	NA	X					0	
	Chrysene	NA	X			47		0	
	Acenaphthylene	NA	X					0	
	Anthracene	NA	X		Protection of the second			0	
	Fluorene	NA	X					0	
	Phenanthrene	NA	Х					0	
	Pyrene	NA	X					0	
	Tetrachloroethylene (Tetrachlorethene)	NA	Х			7		0	
	Toluene	NA	X	0		0.00		12	ug/L
	Trichloroethylene (Trichlorethene)	NA	X		- / - 54	W. Carlo		0	
	Vinyl chloride	NA	X					0	
	Cyanide, Total	NA	X					0	
t C	Pollutants known or believed to be present (and listed in Tables	2F-2, 2F-3,	and 2F-4)						
	Table 2F-2							0	
	Bromide							0	
	Chlorine, Total Residual						ħ.	0	
	Color							0	1
	Fecal Coliform						en a la company de la company	0	
	Fluoride	Х	X					0	
	Nitrate-Nitrite					F		0	
	Nitrogen, Total Organic						100 to 10	0	
	Oil and Grease	X	X					0	
	Phosphorus, Total	X	X					0	
	Radioactivity							0	
	Sulfate	X	X					0	
	Sulfite	X	X					0	
	Surfactants	X	X					0	
	Aluminum, Total						10000	0	
	Barium, Total	X	X				4 5	0	
	Boron, Total					34		0	
	Cobalt Total	X	X				1	0	
	Iron, Total	X	X					0	
	Magnesium, Total							0	
	Molybdenum, Total	X	X		7			0	
	Manganese, Total	X	X				7 14	0	
	Tin, Total	Х	X	1				0	
	Titanium, Total							0	
	Table 2F-3						ad a l		
	Antimony, Total	X	X					0	
	Arsenic, Total						S F F F F	0	
	Beryllium, Total					SI SI	0	0	
	Cadmium, Total			(P_)		2 10 2 5 W		0	
	Chromium, Total							0	
	Copper, Total	X	X					0	
	Lead, Total	х	X					0	
	Mercury, Total	×	X					0	
	Nickel, Total		`		1 A -			0	
	Selenium, Total							0	
	Silver, Total					DOLALI.	4-1-4	0	1-9-1
	Thallium, Total							0	
	Zinc, Total	Х	Х			10 m		0	
	Cyanide, Total							0	
	Phenols, Total	X	X					0	
	Acrolein							0	
	Acrylonitrile	1						0	
	Benzene							0	
	Bromoform							0	
	Carbon Tetrachloride	1						0	
	Chlorobenzene							0	
	Chlorodibromomethane							0	
	Chloroethane							0	THE DARK
	2-Chloroethylvinyl Ether							0	
								0	
	Chloroform							Participant of the Participant o	
	Dichlorobromomethane							0	
	1,1-Dichloroethane							0	
	1,2-Dichloroethane	Х	X					0	
	1,1-Dichloroethylene							0	
	1,2-Dichloropropane							0	
	1,3-Dichloropropylene							0	
	Ethylbenzene	X	Х					0	

		10	Max \	/alues	Avg V	alues		
Mile Control Control				Flow-		Flow-	No. Storm	
Pollutant	Believed	Testing	No reduce a Viscolitation	Weighted		Weighted	Events	
	Present	Required	Initial Grab	Composite	Initial Grab	Composite	Sampled 0	Unit
Methyl Bromide	CONTRACTOR OF THE PARTY OF THE						0	
Methyl Chloride Methylene Chloride							0	
· · · · · · · · · · · · · · · · · · ·							0	
1,1,2,2,-Tetrachloroethane							0	
Tetrachloroethylene	x	х					0	
Toluene	^	^					0	
1,2-Trans-Dichloroethylene							0	
1,1,1-Trichloroethane							0	
1,1,2-Trichloroethane							0	
Trichloroethylene								
Vinyl Chloride							0	
2-Chlorophenol							0	
2,4-Dichlorophenol							0	
2,4-Dimethylphenol							0	
4,6-Dinitro-O-Cresol								
2,4-Dinitrophenol							0	
2-Nitrophenol								
4-Nitrophenol							0	
p-Chloro-M-Cresol							0	
Pentachlorophenol					11:B18:		0	
Phenol	X	X					0	
2,4,6-Trichlorophenol							0	
2-methyl-4,6 dinitrophenol							0	
Acenaphthene							0	
Acenaphthylene							0	
Anthracene							0	
Benzidine							0	
Benzo(a)anthracene							0	
Benzo(a)pyrene							0	
3,4-Benzofluoranthene							0	
Benzo(ghi)perylene							0	
Benzo(k)fluoranthene							0	
Bis(2-chloroethoxy)methane							0	
Bis(2-chloroethyl)ether							0	
Bis(2-chloroisopropyl)ether							0	
Bis(2-ethylyhexyl)phthalate	11.544.45.57						0	
4-Bromophenyl Phenyl Ether							0	
Butylbenzyl Phthalate							0	
2-Chloronaphthalene							0	
4-Chlorophenyl Phenyl Ether							0	
Chrysene							0	
Dibenzo(a,h)anthracene							0	
1,2-Dichlorobenzene							0	
1,3-Dichlorobenzene							0	
1,4-Dichlorobenzene							0	
3,3'-Dichlorobenzidine							0	
Diethyl Phthalate							0	
Dimethyl Phthalate	X	X					0	
Di-N-Butyl Phthalate	100					1 1	0	
2,4-Dinitrotoluene						9 3	0	
2,6-Dinitrotoluene							0	
Di-N-Octyphthalate							0	
1,2-Diphenylhydrazine (as Azobenzene)							0	
Fluroranthene							0	
Fluorene							0	
Hexachlorobenzene							0	
Hexachlorobutadiene							0	
Hexachloroethane							0	
Indeno(1,2,3-cd)pyrene							0	
Isophorone							0	
Napthalene							0	
Nitrobenzene							0	
N-Nitrosodimethylamine					-11		0	
N-Nitrosodi-N-Propylamine							0	
N-Nitrosodiphenylamine							0	11.1
Phenanthrene							0	
Pyrene							0	
1,2,4-Trichlorobenzene							0	
Aldrin							0	
Alpha-BHC							0	187
							0	
Beta-BHC								

				Max \	/alues	Avg V	alues		
	Pollutant	Believed Present	Testing Required	Initial Grab	Flow- Weighted Composite	Initial Grab	Flow- Weighted Composite	No. Storm Events Sampled	Unit
T	Delta-BHC	riesent	nequired	Inicial Grap	Composite	mittai Grab	composite	0	Oilli
	Chlordane	1				G-02- 11-11		0	
-		_							
-	4,4'-DDT					18.00		0	-
-	4,4'-DDE			9-2			31	0	
	4,4'-DDD							0	FE PS A
	Dieldrin					19-P-19-19		0	
	Alpha-Endosulfan						The Real Park	0	5
	Beta-Endosulfan							0	
	Endosulfan Sulfate	The X					- T-	0	1737
	Endrin				1 - 21 -	A STATE OF THE STA		0	
+	Endrin Aldehyde							0	
	Heptachlor	+						0	
-		1						0	
+	Heptachlor Epoxide								
-	PCB-1242							0	
_	PCB-1254			L D D DV	1 10 10	TO A TO A	21 00	0	
	PCB-1221							0	
	PCB-1232							0	
	PCB-1248							0	057107
	PCB-1260							0	
+	PCB-1200	1				7779		0	
-								0	
-	Toxaphene					-		U	
Ta	able 2F-4				1.0				CI L
	Asbestos	3-8						0	
	Acetaldehyde	X	X	ALL BAR				0	
	Allyl alcohol							0	O LIVE
	Allyl chloride			1				0	
	Amyl acetate				100			0	
	Aniline							0	
-									
-	Benzonitrile				- Carlon			0	
	Benzyl chloride	X	X					0	
	Butyl acetate							0	The second
	Butylamine							0	
	Carbaryl					10 1000	10 To 10	0	
	Carbofuran	1				17- 17- 3		0	76.77
	Carbon disulfide							0	
+								0	
-	Chlorpyrifos								
-	Coumaphos				100001			0	
	Cresol							0	
	Crotonaldehyde							0	
	Cyclohexane	X	X					0	
	2,4-D (2,4-Dichlorophenoxyacetic acid)				Ally			0	
	Diazinon				The second	77.7		0	and the
+	Dicamba				7.00			0	
+						100		0	
+	Dichlobenil			V				0	
-	Dichlone				The same of			2000	
1	2,2-Dichloropropionic acid							0	
	Dichlorvos	-						0	mAr.
	Diethyl amine							0	
	Dimethyl amine							0	
	Dinitrobenzene							0	
1	Diquat							0	
	Disulfoton							0	
	Diuron							0	
	Epichlorohydrin							0	
	Ethion	LAVE OF		L				0	
T	Ethylene diamine	X	X		LLAND			0	
	Ethylene dibromide				TO THE WAY			0	
-	Formaldehyde	X	X					0	-
-	Furfural	_ ^_	^					0	
-									
1	Guthion							0	
	Isoprene							0	
	Isopropanolamine	No.						0	
	Kelthane						No.	0	100
1	Kepone	-						0	
-	Malathion		-					0	
-	Malathion								
	Mercaptodimethur			3.1				0	
	Methoxychlor	De la la						0	
	Methyl mercaptan						A.	0	
	Methyl methacrylate	X	X					0	
		1						0	
-	Methyl parathion								
	Methyl parathion Mevinphos					1		0	

			THE W	Max	/alues	Avg V	alues		
Pollut	ant	Believed Present	Testing Required	Initial Grab	Flow- Weighted Composite	Initial Grab	Flow- Weighted Composite	No. Storm Events Sampled	Units
Monoethyl amine								0	
Monomethyl amine		X	X					0	
Naled				3.2				0	
Napthenic acid								0	
Nitrotoluene								0	
Parathion								0	
Phenolsulfonate		X	X	Name of the last				0	
Phosgene		X	X					0	
Propargite				- 60			w ky	0	
Propylene oxide								0	
Pyrethrins			7					0	
Quinoline							1	0	
Resorcinol								0	
Stronthium								0	
Strychnine								0	
Styrene		Х	X					0	
2,4,5-T (2,4,5-Trichlorophe	enoxyacetic acid)							0	
TDE (Tetrachlorodiphenyl	ethane)							0	
2,4,5-TP [2-(2,4,5-Trichloro	phenoxy) propanoic acid]							0	
Trichlorofan								0	
Triethylamine		X	X					0	
Trimethylamine								0	
Uranium								0	
Vanadium								0	
Vinyl acetate		X	Х					0	
Xylene		X	X					0	
Xylenol								0	
Zirconium				E 6				0	

			WIGA	Values Flow-	Avg V	/alues Flow-	No. Storm	Units
	Pollutant	Believed Present	Initial Grab	Weighted Composite	Initial Grab	Weighted Composite	Events Sampled	
art A	Required Parameters	-					12	
	0&G	NA	0		0		0	mg/
	BOD5 COD	NA NA	37.3		16.9		14	mg/
	TSS	NA	53.6		16.9		14	mg/
	Total Nitrogen	NA	33.0		10.5		0	1116/
	Total Phosphorus	NA					0	V
	pH	NA	7.9		7.3		14	SU
	Pri.	- N N			7.10			16.5
art B	Pollutants included in facility effluent guidelines, or listed in N	PDES permit	for process w	astewater (i.e	e. Outfalls 001	and A01)		
	TOC	NA	14		7.1		14	mg/
	Ammonia	NA					0	M. T.
	TKN	NA					0	
	Nitrate-Nitrite	NA					0	
	Fluoride	NA					0	
	E.coli E.coli	NA					0	
	Chromium, Total	NA					0	1.00
	Copper, Total	NA					0	
	Lead, Total	NA	0.51.151				0	4 4 7 7
	Nickel, Total	NA					0	
	Zinc, Total	NA					0	
	Perfluoroctanoic Acid (PFOA)							
	Perfluorobutanoic Acid (PFBA)							
	Perfluorobutanesulfonamide (PFBSA)							
	Perfluorooctanesulfonamide (PFOSA)	- 7 . 1						
	Perfluorooctanesulfonate (PFOS)					20.4		
	Perfluorohexanoic Acid (PFHxA)			56	e Attachmen	t 2C-4		
122	Perfluoroheptanoic Acid (PFHpA)							
	Perfluorobutanesulfonate (PFBS)							
_								
	Perfluorohexanesulfonate (PFHS)							
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid							
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid						0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene	NA NA					0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile	NA					0	
	Perfluorohexanesulfonate (PFHS) 2-{N-ethyl-PFOSA) acetic acid 2-{N-methyl-PFOSA} acetic acid Acenaphthene Acrylonitrile Benzene	NA NA					0	
	Perfluorohexanesulfonate (PFHS) 2-{N-ethyl-PFOSA) acetic acid 2-{N-methyl-PFOSA} acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride	NA NA NA					0 0 0	
11	Perfluorohexanesulfonate (PFHS) 2-{N-ethyl-PFOSA) acetic acid 2-{N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene	NA NA NA					0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-{N-ethyl-PFOSA) acetic acid 2-{N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene	NA NA NA NA					0 0 0 0	
107	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene	NA NA NA NA NA					0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane	NA NA NA NA NA NA					0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane	NA NA NA NA NA NA					0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane	NA					0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1-dichloroethane	NA					0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane	NA					0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane Chloroethane	NA N					0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1-trichloroethane Hexachloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-trichloroethane 1,1-trichloroethane 1,1-trichloroethane 1,1-dichloroethane	NA N					0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1-dichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane Chloroform 1,2-dichlorobenzene	NA N					0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane Chloroform 1,2-dichlorobenzene 1,3-dichlorobenzene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1,2-trichloroethane 1,1-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,4-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloroproppulene (cis- and trans-1,3-dichloropropene)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-trichloroethane 1,1-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethylene 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichlorobenzene 1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropopane 1,3-dichloropopane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,2-dichlorobenzene 1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-dichloropopane 1,2-dichloropopane 1,3-dichloropopane 1,2-dichloropopane 1,2-dichloropopane 1,2-dichloropopane 1,2-dichloropopane 1,2-dichloropopane 1,2-dichloropopane 1,2-dichloropopane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1-trichloroethane 1,1-trichloroethane 1,1-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichlorobenzene 1,2-dichlorobenzene 1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,2-trans-dichloroethylene (1,1-dichloroethene) 1,2-dichloropopane 1,2-dichloropopane 1,3-dichloropopane 1,2-dichloropopane 1,2-dichloropopane 1,2-dichloropopane 1,2-dichloropopane 1,3-dichloropopane 1,3-dichloropopane 1,3-dichloropopane 1,3-dichloropopane 1,3-dichloropopane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloropropene) 1,2-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane) Methyl chloride (Chloromethane) Hexachlorobutadiene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloropropene) 1,2-dichloropropane 1,3-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane) Hexachlorobutadiene Naphthalene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1-dichloroethane 1,1-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methyl chloride (Chloromethane) Hexachlorobutadiene Naphthalene Nitrobenzene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane Chloroform 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methyl chloride (Chloromethane) Hexachlorobutadiene Naphthalene Nitrobenzene 2-nitrophenol	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,4-dichloroethylene (trans-1,2-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane) Methyl chloride (Chloromethane) Methyl chloride (Chloromethane) Methylene chloride (Dichloromethane) Methyl chloride (Chloromethane) Methyl chloride (Chloromethane) Nitrobenzene 2-nitrophenol 4-nitrophenol	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1-dichloroethane 1,1,2-trichloroethane Chloroform 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene (trans-1,2-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane) Methyl chloride (Chloromethane) Nitrobenzene 2-nitrophenol 4-nitrophenol 2,4-dinitrophenol 2,4-dinitrophenol	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane Hexachloroethane 1,1,1-trichloroethane Hexachloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane Chloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane) Methyl chloride (Chloromethane) Hexachlorobutadiene Naphthalene Nitrobenzene 2-nitrophenol 4-nitrophenol 2,4-dinitrophenol 2,4-dinitrophenol 2,4-dinitrophenol 4,6-dinitro-o-cresol (2-Methyl-4,6-dinitrophenol)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	

			Max	Values	Avg \	/alues		
	Pollutant	Believed Present	Initial Grab	Flow- Weighted Composite	Initial Grab	Flow- Weighted Composite	No. Storm Events Sampled	Units
	Diethyl Phthalate	NA					0	
	Dimethyl phthalate	NA			-1-11-	-W	0	
	Benzo(a) anthracene	NA			434		0	
	Benzo(a) pyrene	NA		1	196 34.0		0	
	Benzo(b) fluoranthene (3,4-Benzofluoranthene)	NA					0	
	Benzo(k) fluoranthene	NA			1000		0	
	Chrysene	NA					0	
	Acenaphthylene	NA				-	0	
		NA					0	
	Anthracene Fluorene							3-1
	I I I I I I I I I I I I I I I I I I I	NA					0	
	Phenanthrene	NA					0	
	Pyrene	NA					0	
	Tetrachloroethylene (Tetrachlorethene)	NA					0	
	Toluene	NA	0		0		12	ug/L
	Trichloroethylene (Trichlorethene)	NA			1 3 5 6		0	
	Vinyl chloride	NA					0	
	Cyanide, Total	NA					0	196
				7.	West of the	(C)		
t C	Pollutants known or believed to be present (and listed in Table	es 2F-2, 2F-3,	and 2F-4)					5315
	Table 2F-2						0	ille III
	Bromide						0	
-	Chlorine, Total Residual				75 516		0	
	Color				10.15		0	
	Fecal Coliform						0	
	Fluoride	X	1				0	
		^						
	Nitrate-Nitrite	1					0	
	Nitrogen, Total Organic						0	
	Oil and Grease	Х					0	
	Phosphorus, Total	X					0	
	Radioactivity					arin in	0	
	Sulfate	X					0	
	Sulfite	X					0	
	Surfactants	X					0	AND Y
	Aluminum, Total	200					0	137
	Barium, Total	X					0	2
	Boron, Total	- A					0	
	Cobalt Total	х					0	
_	- I	1000			-		0	
	Iron, Total	Х					364	
	Magnesium, Total						0	***
	Molybdenum, Total	Х					0	
	Manganese, Total	X					0	
	Tin, Total	Х					0	
	Titanium, Total						0	
	Table 2F-3							
	Antimony, Total	Х					0	
	Arsenic, Total						0	17/
	Beryllium, Total				141-11		0	
	Cadmium, Total			111111111111111111111111111111111111111			0	
	Chromium, Total	1 = -	1				0	
	Copper, Total	х					0	
	Lead, Total	x					0	
	Mercury, Total	X					0	
		^					0	
	Nickel, Total							
	Selenium, Total				MA - Day		0	
	Silver, Total						0	
	Thallium, Total						0	
	Zinc, Total	X					0	
	Cyanide, Total						0	
	Phenols, Total	X					0	
	Acrolein						0	
	Acrylonitrile				1		0	
	Benzene						0	
	Y				1		0	
	Bromoform							
	Carbon Tetrachloride						0	
	Chlorobenzene	Name of the	15.00	17 NEW			0	
	Chlorodibromomethane						0	
	Chloroethane						0	
	2-Chloroethylvinyl Ether	1	T			1	0	

			Max	Values	Avg \	/alues		
	Pollutant	Believed Present	Initial Grab	Flow- Weighted Composite	Initial Grab	Flow- Weighted Composite	No. Storm Events Sampled	Units
Ch	loroform						O	
	chlorobromomethane			7.5			0	
1,1	-Dichloroethane						0	
	2-Dichloroethane	x					0	
	L-Dichloroethylene						0	
	2-Dichloropropane						0	
	3-Dichloropropylene						0	
	nylbenzene	х					0	
	ethyl Bromide	10000					0	
	ethyl Chloride						0	
	ethylene Chloride						0	
	1,2,2,-Tetrachloroethane			1			0	
							0	
	trachloroethylene	х					0	
	luene	^					0	
	2-Trans-Dichloroethylene						0	
	L,1-Trichloroethane						0	
	,2-Trichloroethane							
	chloroethylene						0	
	nyl Chloride		that made	1			0	
	Chlorophenol						0	
	I-Dichlorophenol	A III W III					0	
	I-Dimethylphenol						0	
	5-Dinitro-O-Cresol						0	
2,4	I-Dinitrophenol						0	
2-1	Nitrophenol						0	
4-1	Nitrophenol						0	
p-0	Chloro-M-Cresol						0	
Pe	ntachlorophenol						0	
- Anna Carrier Charles	enol	х					0	
	l,6-Trichlorophenol						0	
	nethyl-4,6 dinitrophenol			The last of			0	
	enaphthene						0	
	enaphthylene						0	
	thracene						0	
	nzidine						0	
	nzo(a)anthracene						0	
	nzo(a)pyrene						0	III STILL
	1-Benzofluoranthene			7			0	
	nzo(ghi)perylene						0	- 11
	nzo(k)fluoranthene						0	
	(2-chloroethoxy)methane						0	
							0	
	(2-chloroethyl)ether						0	
	(2-chloroisopropyl)ether						0	
	(2-ethylyhexyl)phthalate						0	
	Bromophenyl Phenyl Ether						0	
	tylbenzyl Phthalate						0	
	Chloronaphthalene		-				0	
COURSE DISCOURT OF STREET	Chlorophenyl Phenyl Ether		I				And the second s	
	rysene				i e		0	
	penzo(a,h)anthracene				KI MITHER		0	
	2-Dichlorobenzene						0	
	3-Dichlorobenzene						0	
	1-Dichlorobenzene						0	
	3'-Dichlorobenzidine						0	
	ethyl Phthalate						0	
Di	methyl Phthalate	X					0	
Di	N-Butyl Phthalate						0	
energy and contribution of the	1-Dinitrotoluene						0	
	5-Dinitrotoluene						0	
	N-Octyphthalate						0	114 24 2
	2-Diphenylhydrazine (as Azobenzene)						0	110
100000	uroranthene						0	, ALL I
			1		1		0	
	orene							
	xachlorobenzene						0	
	xachlorobutadiene						0	
	xachloroethane		100				0	
Inc	deno(1,2,3-cd)pyrene						0	La jally
	phorone						0	

		13	Max	/alues	Avg \	/alues		
	Pollutant	Believed Present	Initial Grab	Flow- Weighted Composite	Initial Grab	Flow- Weighted Composite	No. Storm Events Sampled	Units
	Napthalene	200					0	W. F.
	Nitrobenzene						0	
	N-Nitrosodimethylamine				VIIII-2-13111-3-13111-3-13111-3-13111-3-13111-3-13111-3-13111-3-13111-3-13111-3-13111-3-13111-3-13111-3-13111		0	
	N-Nitrosodi-N-Propylamine			7 7 7			0	
	N-Nitrosodiphenylamine				The state of		0	
	Phenanthrene						0	
	Pyrene						0	
	1,2,4-Trichlorobenzene						0	
The same	Aldrin						0	
						1000		1 - 1 -
-	Alpha-BHC						0	
_	Beta-BHC			2000			0	
	Gamma-BHC						0	
	Delta-BHC						0	
	Chlordane						0	
	4,4'-DDT						0	
	4,4'-DDE			- 100			0	
	4,4'-DDD				12000	14.74	0	Halle !
	Dieldrin				2		0	CARR
	Alpha-Endosulfan						0	DE EN
	Beta-Endosulfan				100000		0	Dr. III
	Endosulfan Sulfate					TO THE	0	
-	Endrin						0	
-	Endrin Aldehyde						0	
-								
	Heptachlor						0	
	Heptachlor Epoxide						0	NIP/
	PCB-1242						0	TOTAL CO.
	PCB-1254						0	male
	PCB-1221						0	
	PCB-1232	7 42					0	
	PCB-1248					A STATE OF	0	
	PCB-1260						0	
	PCB-1016					10000	0	U.V. Va
	Toxaphene						0	120/17
	Table 2F-4							
	Asbestos						0	
		X					0	1
-	Acetaldehyde	X						
_	Allyl alcohol						0	
_	Allyl chloride						0	
_	Amyl acetate					3000	0	
	Aniline						0	
	Benzonitrile					The same of the	0	
	Benzyl chloride	X					0	
	Butyl acetate						0	
	Butylamine			• 111	Land in the	Carl Line	0	1 - 10-1
	Carbaryl						0	
	Carbofuran			7			0	
	Carbon disulfide					13 13 17	0	D4 3
-	Chlorpyrifos						0	THE RES
-	Coumaphos						0	
-							0	
_	Cresol							
	Crotonaldehyde						0	1
	Cyclohexane	X			T. Albert		0	1 1
	2,4-D (2,4-Dichlorophenoxyacetic acid)				14.6		0	
	Diazinon						0	
	Dicamba				San Land		0	
	Dichlobenil				Water But		0	
	Dichlone				- A LA LA		0	
	2,2-Dichloropropionic acid				5110		0	715. 7
	Dichlorvos						0	
	Diethyl amine						0	
	Dimethyl amine						0	
	Dinitrobenzene				CET DEVE		0	
	Diquat				CAMBLE OF	THE LAND	0	V
	Disulfoton						0	
	Diuron						0	121
-	Epichlorohydrin				CONTRACTOR OF THE PARTY OF THE		0	
	Ethion						0	
							- 11	

			Max \	Values	Avg \	/alues		
Pollu	rtant	Believed Present	Initial Grab	Flow- Weighted Composite	Initial Grab	Flow- Weighted Composite	No. Storm Events Sampled	Unit
Ethylene dibromide							0	
Formaldehyde		Х	W. 194				0	
Furfural							0	
Guthion							0	
Isoprene							0	
Isopropanolamine							0	
Kelthane							0	
Kepone							0	
Malathion							0	
Mercaptodimethur							0	
Methoxychlor		9					0	
Methyl mercaptan				4			0	
Methyl methacrylate		X	1				0	
Methyl parathion						THE WAY	0	1000
Mevinphos							0	
Mexacarbate							0	
Monoethyl amine		V					0	
Monomethyl amine		X					0	
Naled			A STATE OF				0	
Napthenic acid							0	
Nitrotoluene					[]		0	
Parathion							0	
Phenolsulfonate		X	9				0	
Phosgene		X					0	
Propargite							0	
Propylene oxide							0	
Pyrethrins							0	
Quinoline							0	
Resorcinol							0	
Stronthium							0	
Strychnine							0	
Styrene		Х					0	
2,4,5-T (2,4,5-Trichloroph							0	
TDE (Tetrachlorodipheny							0	
2,4,5-TP [2-(2,4,5-Trichlo	rophenoxy) propanoic acid]						0	
Trichlorofan							0	
Triethylamine		X					0	
Trimethylamine							0	
Uranium					1		0	
Vanadium							0	F-7
Vinyl acetate		Х					0	
Xylene		х					0	
Xylenol							0	
Zirconium							0	

			IVIAX	Values	Avg	alues	NIA CA	
	Pollutant	Believed Present	Initial Grab	Flow- Weighted Composite	Initial Grab	Flow- Weighted Composite	No. Storm Events Sampled	Unit
rt A	Required Parameters		12					
	O&G	NA	0		0		12	mg/l
	BOD5	NA	44				0	mg/
	COD	NA	53.1		20.7		13	mg/
	TSS	NA	441		97.7		13	mg/
	Total Nitrogen	NA	100				0	mg/
	Total Phosphorus	NA					0	mg/
	pH	NA	8.1		7.4		13	SU
4 D	Pollutants included in facility effluent guidelines, or listed in N	IDDES parmit	for process w	actowater li e	Outfalls 001	and A01)		
t B	TOC	NA NA	23.3	astewater (i.e	9.42	and AOI	13	mg/
-	Ammonia	NA	20.0				0	
	TKN	NA					0	100
	Nitrate-Nitrite	NA	100				0	
	Fluoride	NA		100			0	
	E.coli	NA				W	0	
	Chromium, Total	NA	15				0	THE
	Copper, Total	NA					0	
	Lead, Total	NA NA				7	0	
	Nickel, Total	NA NA					0	1111
	Zinc, Total	NA.					0	
	Perfluoroctanoic Acid (PFOA)							A L
	Perfluorobutanoic Acid (PFBA)							
	Perfluorobutanesulfonamide (PFBSA)							
	Perfluorooctanesulfonamide (PFOSA)							
	Perfluorooctanesulfonate (PFOS)							
	Perfluorohexanoic Acid (PFHxA)			Se	e Attachment	2C-4		
	Perfluoroheptanoic Acid (PFHpA)			-				
-	Perfluorobutanesulfonate (PFBS)							
-	Perfluorohexanesulfonate (PFHS)							
-	2-(N-ethyl-PFOSA) acetic acid							
	2-(N-methyl-PFOSA) acetic acid							
-	Acenaphthene	NA	1000	ř			0	
-	Acrylonitrile	NA NA					0	
_	Benzene	NA NA					0	- 1
-	Carbon tetrachloride	NA					0	
	Chlorobenzene	NA.	 				0	
AGE	1,2,4-trichlorobenzene	NA					0	
-	Hexachlorobenzene	NA					0	
-	1,2-dichloroethane	NA NA					0	
-	1,1,1-trichloroethane	NA NA					0	
_	Hexachloroethane	NA NA					0	
		NA NA					0	
-	1,1-dichloroethane 1.1,2-trichloroethane	NA NA					0	
-							0	1107
_	Chloroethane	NA NA					0	1
	Chloroform 1,2-dichlorobenzene	NA NA					0	
	The Control of the Co	4244000					0	
	1,3-dichlorobenzene	NA NA					0	
		NA NA					0	
-	1,1-dichloroethylene (1,1-dichloroethene)	NA NA					0	
	1,2-trans-dichloroethylene (trans-1,2-dichloroethene)	NA NA					0	
	1,2-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene)	NA NA					0	
	2,4-dimethylphenol	NA NA					0	
	Ethylbenzene	NA NA					0	
	Fluoranthene	NA NA					0	
	Methylene chloride (Dichloromethane)	NA NA					0	
	Methyl chloride (Chloromethane)	NA NA					0	1 1 1
		NA NA					0	
	Hexachlorobutadiene						0	
	Naphthalene	NA NA					100	
	Nitrobenzene	NA					0	
	2-nitrophenol	NA					0	
	4-nitrophenol	NA					0	K
	2,4-dinitrophenol	NA					0	
	4,6-dinitro-o-cresol (2-Methyl-4,6-dinitrophenol)	NA					0	
	Phenol	NA					0	
11	Bis(2-ethylhexyl) phthalate	NA					0	
	Di-n-Butyl Phthalate	NA					0	

			Max \	/alues	Avg V			
	Pollutant	Believed Present	Initial Grab	Flow- Weighted Composite	Initial Grab	Flow- Weighted Composite	No. Storm Events Sampled	Units
	Diethyl Phthalate	NA			Lavosas		0	aption.
	Dimethyl phthalate	NA					0	
	Benzo(a) anthracene	NA	-	5 1 1 1 1 3			0	-947
	Benzo(a) pyrene	NA				13-17-	0	
	Benzo(b) fluoranthene (3,4-Benzofluoranthene)	NA					0	
	Benzo(k) fluoranthene	NA					0	
	Chrysene	NA					0	
	Acenaphthylene	NA					0	
	Anthracene	NA					0	
	Fluorene	NA		C. 15, 23	P 144		0	Mary 1
	Phenanthrene	NA					0	
	Pyrene (Tabada Alama)	NA NA					0	
	Tetrachloroethylene (Tetrachlorethene)	NA	47.4		4.24		0	
	Toluene Trickle of the state of	NA NA	17.4		1.34		13	ug/L
	Trichloroethylene (Trichlorethene)	NA NA		-			0	
_	Vinyl chloride	NA			-		0	
	Cyanide, Total	NA					U	
	Pollutants known or believed to be present (and listed in	Tables 2F 2 2F 2	and 25 4)		107427			
t C	Table 2F-2	Tables ZF-Z, ZF-3,	anu zr-4)				0	-
	Bromide						0	
	Chlorine, Total Residual					Tall A Will	0	1717
	Color						0	
	Fecal Coliform						0	
	Fluoride	X					0	
	Nitrate-Nitrite						0	
	Nitrogen, Total Organic						0	
	Oil and Grease	X					0	0.151400000000
	Phosphorus, Total	x					0	
	Radioactivity						0	
	Sulfate	х		- 50			0	
	Sulfite	X					0	
	Surfactants	X					0	
	Aluminum, Total						0	
	Barium, Total	X					0	-
	Boron, Total				177		0	
	Cobalt Total	X			772		0	
	Iron, Total	X					0	
	Magnesium, Total						0	
	Molybdenum, Total	X					0	5.1
	Manganese, Total	X				100000	0	
	Tin, Total	X					0	-X
	Titanium, Total					14.5	0	
	Table 2F-3				TOTAL PLAN			
	Antimony, Total	X					0	Par la
	Arsenic, Total				Try try		0	
	Beryllium, Total						0	
	Cadmium, Total						0	1
	Chromium, Total						0	
	Copper, Total	X					0	
	Lead, Total	X					0	
	Mercury, Total	X					0	
	Nickel, Total						0	
	Selenium, Total	4.70					0	
	Silver, Total			TO LIKE		STATE OF	0	11
	Thallium, Total						0	
	Zinc, Total	х					0	
	Cyanide, Total						0	
	Phenols, Total	X	7:141				0	AL S
	Acrolein		14 / /				0	
	Acrylonitrile						0	
	Benzene						0	
	Bromoform		790				0	
	Carbon Tetrachloride						0	
	Chlorobenzene						0	
	Chlorodibromomethane						0	
1	Chloroethane						0	
	2-Chloroethylvinyl Ether		1	1			0	

		Max	Values	Avg V			
Pollutant	Believed		Flow- Weighted		Flow- Weighted	No. Storm Events	
Maria was a little and	Present	Initial Grab	Composite	Initial Grab	Composite	Sampled	Unit
Chloroform				أرا وجالا وو		0	
Dichlorobromomethane						0	
1,1-Dichloroethane						0	
1,2-Dichloroethane	X					0	
1,1-Dichloroethylene						0	
1,2-Dichloropropane						0	
1,3-Dichloropropylene						0	
Ethylbenzene	×					0	
Methyl Bromide						0	
Methyl Chloride						0	
Methylene Chloride						o	
			1			0	
1,1,2,2,-Tetrachloroethane						STATE OF THE PARTY	
Tetrachloroethylene						0	
Toluene	X					0	
1,2-Trans-Dichloroethylene						0	
1,1,1-Trichloroethane						0	
1,1,2-Trichloroethane						0	
Trichloroethylene						0	
Vinyl Chloride						0	
2-Chlorophenol						0	
2,4-Dichlorophenol						0	
						ALTERNATION OF THE PROPERTY OF	
2,4-Dimethylphenol						0	
4,6-Dinitro-O-Cresol						0	
2,4-Dinitrophenol						0	
2-Nitrophenol						0	
4-Nitrophenol						0	
p-Chloro-M-Cresol	No. of the Control of				A HE - SEE BY BLUE HIT OF THE BAY	0	
Pentachlorophenol						0	
A Company of the Comp	X					0	
Phenol	1 ^ 1			The state of the s		A STATE OF THE PARTY OF THE PAR	
2,4,6-Trichlorophenol						0	
2-methyl-4,6 dinitrophenol						0	
Acenaphthene						0	
Acenaphthylene						0	
Anthracene						0	
Benzidine						0	
Benzo(a)anthracene						0	
Benzo(a)pyrene						0	
						0	
3,4-Benzofluoranthene							
Benzo(ghi)perylene						0	
Benzo(k)fluoranthene						0	
Bis(2-chloroethoxy)methane						0	9000
Bis(2-chloroethyl)ether	The second secon	1.00				0	
Bis(2-chloroisopropyl)ether						0	10 11
Bis(2-ethylyhexyl)phthalate						0	
4-Bromophenyl Phenyl Ether						0	
			1			0	
Butylbenzyl Phthalate						0	71713
2-Chloronaphthalene							
4-Chlorophenyl Phenyl Ether						0	
Chrysene				100		0	
Dibenzo(a,h)anthracene						0	
1,2-Dichlorobenzene						0	
1,3-Dichlorobenzene						0	
1,4-Dichlorobenzene						0	
3,3'-Dichlorobenzidine						0	
		e Sant Special	OUTDING TO STATE OF			0	
Diethyl Phthalate							
Dimethyl Phthalate	X					0	
Di-N-Butyl Phthalate					Maren.	0	
2,4-Dinitrotoluene		8				0	
2,6-Dinitrotoluene		_				0	
Di-N-Octyphthalate						0	
1,2-Diphenylhydrazine (as Azobenzene)						0	
Fluroranthene						0	
Fluorene						0	
Hexachlorobenzene						0	
Hexachlorobutadiene						0	
riexaciilorobutatieile							
						0	
Hexachloroethane Indeno(1,2,3-cd)pyrene						0	

			IVIGA	Values Flow-	Avg v	/alues Flow-	No. Storm	
	Pollutant	Believed Present	Initial Grab	Weighted Composite	Initial Grab	Weighted Composite	Events Sampled	Units
	Napthalene						0	
	Nitrobenzene						0	
	N-Nitrosodimethylamine	34-11					0	
	N-Nitrosodi-N-Propylamine						0	
	N-Nitrosodiphenylamine		I				0	
	Phenanthrene						0	
	Pyrene 1,2,4-Trichlorobenzene						0	
	Aldrin						0	
+	Alpha-BHC					No.	0	
+	Beta-BHC						0	-
	Gamma-BHC			1 1 1 1 1 1 1			0	
	Delta-BHC				N. HILL		0	
	Chlordane					A TOP	0	N.
	4,4'-DDT					N. Charles	0	
	4,4'-DDE						0	
	4,4'-DDD					VIII I	0	1 7
	Dieldrin						0	100
	Alpha-Endosulfan			7 7 1 50		STATE OF THE	0	
	Beta-Endosulfan			71 TAB		1291130	0	TEM.
	Endosulfan Sulfate					F E SUITE	0	
	Endrin						0	
	Endrin Aldehyde						0	
	Heptachlor						0	
	Heptachlor Epoxide						0	
4	PCB-1242						0	
+	PCB-1254						0	
+	PCB-1221							
+	PCB-1232						0	
+	PCB-1248						0	
+	PCB-1260 PCB-1016						0	
+	Toxaphene			10			0	
T	able 2F-4							
110	Asbestos						0	
+	Acetaldehyde	X					0	
	Allyl alcohol						0	
	Allyl chloride	N. C.			E. (************************************		0	
	Amyl acetate			4 7 7 7 7 7 7 7			0	
	Aniline					No.	0	
	Benzonitrile				1000	BEACH TO SERVICE STATE OF THE	0	
	Benzyl chloride	Х				No. of the last of	0	
	Butyl acetate						0	
	Butylamine	NA WELL			THE RESERVE		0	
	Carbaryl						0	
	Carbofuran						0	
	Carbon disulfide			1, 19			0	
	Chlorpyrifos						0	
	Coumaphos						0	
	Cresol				EVE		0	
	Crotonaldehyde						0	
	Cyclohexane	X					0	
	2,4-D (2,4-Dichlorophenoxyacetic acid) Diazinon						0	
	Dicamba						0	
-	Dichlobenil						0	
	Dichlone			S. Translation			0	
	2,2-Dichloropropionic acid						0	
	Dichlorvos			-			0	
-	Diethyl amine	8 7					0	
	Directly amine Dimethyl amine						0	
+	Dinitrobenzene						0	
1 1/2	Diquat			2000	T. FINE A.		0	
-	Disulfoton			2-4-2/3-3			0	
	Diuron			The state of	77		0	
-	Epichlorohydrin			TANK BURNE	N. T. I FAT	THE PERSON	0	18
	Ethion				-Adlana		0	
100	Ethylene diamine	х					0	

			Max \	Values	Avg V			
	Pollutant	Believed Present	Initial Grab	Flow- Weighted Composite	Initial Grab	Flow- Weighted Composite	No. Storm Events Sampled	Units
Ethylene dibromide			THE CALL				0	
Formaldehyde		X					0	
Furfural							0	1000
Guthion							0	
Isoprene							0	
Isopropanolamine							0	Y -5
Kelthane							0	
Kepone							0	
Malathion							0	
Mercaptodimethur		115					0	
Methoxychlor		10.77	-				0	
Methyl mercaptan		X - X					0	
Methyl methacrylate		Х					0	
Methyl parathion							0	
Mevinphos							0	
Mexacarbate							0	
Monoethyl amine		- 1 4 1 7					0	
Monomethyl amine		X	4600				0	
Naled							0	
Napthenic acid							0	
Nitrotoluene							0	
Parathion							0	
Phenolsulfonate		X	11,-17				0	
Phosgene		Х					0	
Propargite							0	4
Propylene oxide							0	4000
Pyrethrins							0	
Quinoline							0	
Resorcinol							0	
Stronthium							0	
Strychnine							0	1-1-1
Styrene		x			1,		0	
2,4,5-T (2,4,5-Trichlor	onhenoxyacetic acid)	-					0	
TDE (Tetrachlorodiphe							0	
	chlorophenoxy) propanoic acid]						0	
Trichlorofan	and the second of the second						0	0.114
Triethylamine	T T	×					0	
Trimethylamine		-					0	
Uranium							0	
Vanadium						1000	0	T-15
Vinyl acetate		Х					0	II, V
Xylene		X					0	1
Xylenol		^					0	
Zirconium							0	

			Max	Values	AVg V	alues	No. of the last	
	Pollutant	Believed Present	Initial Grab	Flow- Weighted Composite	Initial Grab	Flow- Weighted Composite	No. Storm Events Sampled	Units
art A	Required Parameters							,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	O&G	NA	0		0	_	11	mg/l
	BOD5	NA	1/4/4 T				0	mg/l
	COD	NA	452		53.2		13	mg/l
	TSS	NA	132		49.7		13	mg/l
	Total Nitrogen	NA					0	mg/l
	Total Phosphorus	NA	08				0	mg/l
	pH	NA	8.0		7.3		13	SU
art B	Pollutants included in facility effluent guidelines, or listed in NF			astewater (i.e		and AU1)	40	
	TOC	NA	142		27.1		13	mg/
	Ammonia	NA					0	
	TKN	NA	1977				0	
	Nitrate-Nitrite	NA					0	
	Fluoride	NA					0	
	E.coli	NA					0	
	Chromium, Total	NA	14.00				0	
	Copper, Total	NA					0	
	Lead, Total	NA	ALTERNATION OF				0	4.24
	Nickel, Total	NA					0	
1	Zinc, Total	NA					0	
	Perfluoroctanoic Acid (PFOA)						3	Web . To a
	Perfluorobutanoic Acid (PFBA)							
	Perfluorobutanesulfonamide (PFBSA)							
	Perfluorooctanesulfonamide (PFOSA)							
	Perfluorooctanesulfonate (PFOS)							
	Perfluorohexanoic Acid (PFHxA)			Se	e Attachment	2C-4		
	Perfluoroheptanoic Acid (PFHpA)			7.0		26 -		
	Ferridor direptanoic Acid (Frings)	-						
	Porfluorobutanosulfonato (PERS)							
	Perfluorobutanesulfonate (PFBS)	4						
	Perfluorohexanesulfonate (PFHS)							
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid							
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid							
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene	NA					0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile	NA					0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene	NA NA					0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile	NA NA NA					0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene	NA NA NA					0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride	NA NA NA					0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene	NA NA NA					0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene	NA NA NA NA					0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene	NA NA NA NA NA					0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane	NA NA NA NA NA NA					0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane	NA					0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane Hexachloroethane 1,1-dichloroethane 1,1-dichloroethane	NA					0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane	NA					0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1-trichloroethane 1,1-trichloroethane 1,1-dichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane Chloroethane Chloroethane	NA N					0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1-1-trichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-2-trichloroethane 1,1,2-trichloroethane Chloroethane Chloroethane Chloroethane Chloroethane	NA N					0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane Chloroethane Chloroform 1,2-dichlorobenzene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2-4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1-1-trichloroethane Hexachloroethane 1,1-trichloroethane Chloroform 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2-4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1-dichloroethane	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2-4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,3-dichlorobenzene 1,3-dichlorobenzene 1,4-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,1-dichloroethane 1,1,1-dichloroethane 1,1,2-dichlorobenzene 1,1-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2-4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane 1,3-dichloropropane	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane Chloroform 1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropopane 1,3-dichloropopane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropopane 1,3-dichloropopalene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1-dichloroethane 1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,3-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropopane 1,3-dichloropopylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,1-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,3-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropopane 1,3-dichloropopylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1-dichloroethane 1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,3-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropopane 1,3-dichloropopylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,1-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,3-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropopane 1,3-dichloropopylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane 1,3-dichloropropale 1,3-dichloropropale (cis- and trans-1,3-dichloropropane) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methyl chloride (Chloromethane) Methyl chloride (Chloromethane)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2-4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1-1-trichloroethane Hexachloroethane 1,1-trichloroethane 1,1-dichloroethane 1,1-2-trichloroethane Chloroform 1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichloropropane 1,2-trians-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methyl chloride (Chloromethane) Methyl chloride (Chloromethane) Methyl chloride (Chloromethane) Methyl chloride (Chloromethane) Naphthalene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2-4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1-1-trichloroethane Hexachloroethane 1,1-trichloroethane 1,1-dichloroethane 1,1-2-trichloroethane Chloroform 1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,2-dichlorobenzene 1,3-dichlorobenzene 1,2-dichloropenzene 1,2-dichloropenzene 1,2-dichloropenzene 1,2-dichloropenzene 1,2-dichloropenzene 1,2-dichloropenzene 1,2-dichloropenzene 1,3-dichloropenzene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1-1-trichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1-dichloroethane 1,1-dichloroethane Chloroform 1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropopane 1,3-dichloropopane 1,3-dichloropopane 1,3-dichloropopane 1,3-dichloroethylene (Cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane) Methyl chloride (Chloromethane) Nitrobenzene Nitrobenzene 2-nitrophenol	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane Chloroform 1,2-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropopane 1,3-dichloropopane 1,3-dichloropopane 1,3-dichloropopane 1,3-dichloroethylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane) Methyl chloride (Chloromethane) Naphthalene Naphthalene Nitrobenzene 2-nitrophenol 4-nitrophenol	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane Chloroform 1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloropropane) 1,3-dichloropropane 1,3-dichloropropale (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane) Methyl chloride (Chloromethane) Hexachlorobutadiene Nitrobenzene 2-nitrophenol 4-nitrophenol 2,4-dinitrophenol	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-dichloropenzene 1,1-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropopane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane) Methyl chloride (Chloromethane) Hexachlorobutadiene Naphthalene Nitrobenzene 2-nitrophenol 4-nitrophenol 2,4-dinitrophenol 2,4-dinitrophenol 4,6-dinitro-o-cresol (2-Methyl-4,6-dinitrophenol)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane Chloroform 1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloropropane) 1,3-dichloropropane 1,3-dichloropropale (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane) Methyl chloride (Chloromethane) Hexachlorobutadiene Nitrobenzene 2-nitrophenol 4-nitrophenol 2,4-dinitrophenol	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	

			Max \	Values	Avg V	alues		
	Pollutant	Believed Present	Initial Grab	Flow- Weighted Composite	Initial Grab	Flow- Weighted Composite	No. Storm Events Sampled	Units
	Diethyl Phthalate	NA	IIIIIIII SIGA				0	350,1155
	Dimethyl phthalate	NA					0	
	Benzo(a) anthracene	NA				70.7	0	
	Benzo(a) pyrene	NA					0	200
	Benzo(b) fluoranthene (3,4-Benzofluoranthene)	NA					0	
	Benzo(k) fluoranthene	NA			M-582		0	
	Chrysene	NA			12001.131		0	
	Acenaphthylene	NA			25		0	- 4
_	Anthracene	NA				16	0	
	Fluorene	NA					0	911
	Phenanthrene	NA NA	-				0	
	Pyrene	NA NA					0	
	Tetrachloroethylene (Tetrachlorethene)	NA NA					0	
			10.6		1.55		12	ug/L
	Toluene	NA NA	18.6		1.55		0	ug/L
	Trichloroethylene (Trichlorethene)	NA						
	Vinyl chloride	NA					0	
	Cyanide, Total	NA	7				0	
100000						1 1000	1 1 10 10 1 10 1	
t C	Pollutants known or believed to be present (and listed in	Tables 2F-2, 2F-3,	and 2F-4)			1 1 1 1		
	Table 2F-2						0	
	Bromide						0	
	Chlorine, Total Residual					-R 14 / 7	0	
	Color						0	
	Fecal Coliform						0	
	Fluoride	X					0	
	Nitrate-Nitrite						0	
	Nitrogen, Total Organic						0	
	Oil and Grease	×					0	
	Phosphorus, Total	x					0	
	Radioactivity						0	
	Sulfate	х		100	71 34 4 7 - 11		0	
	Sulfite	X					0	
	Surfactants	X					0	
	Aluminum, Total						0	
	Barium, Total	X					0	
	Boron, Total	^				-	0	
	Cobalt Total	X					0	
-		×					0	
	Iron, Total	^					0	
	Magnesium, Total							
	Molybdenum, Total	X					0	
	Manganese, Total	Х					0	_10.75
	Tin, Total	х					0	
	Titanium, Total				= 1127 - 1		0	
	Table 2F-3							
	Antimony, Total	X					0	
	Arsenic, Total				7.		0	
	Beryllium, Total		1, 11				0	117
	Cadmium, Total		2.3/				0	
	Chromium, Total						0	
	Copper, Total	X					0	
	Lead, Total	X	i din co				0	
	Mercury, Total	X	ASIA FILI				0	
	Nickel, Total						0	
	Selenium, Total						0	
	Silver, Total		TWI VENT		KI SALL W		0	2
	Thallium, Total		April 1		TWO IN THE		0	
	Zinc, Total	x	1	1			0	
	Cyanide, Total						0	
	Phenols, Total	X					0	
_		^				- 1	0	T. IV
	Acrolein						0	
	Acrylonitrile							
	Benzene						0	
	Bromoform						0	
	Carbon Tetrachloride						0	
	Chlorobenzene						0	
	Chlorodibromomethane						0	
	Chloroethane		dannin sa				0	
	2-Chloroethylvinyl Ether						0	

			Max	Values	Avg V	/alues		
	Pollutant	Believed	26.71	Flow- Weighted		Flow- Weighted	No. Storm Events	
		Present	Initial Grab	Composite	Initial Grab	Composite	Sampled	Unit
	Chloroform						0	
	Dichlorobromomethane						0	
	1,1-Dichloroethane						0	
	1,2-Dichloroethane	X					0	
	1,1-Dichloroethylene						0	
	1,2-Dichloropropane						0	
	1,3-Dichloropropylene						0	
	Ethylbenzene	×					0	
	Methyl Bromide	A STATE OF THE PARTY OF THE PAR					0	
		THE RESIDENCE OF THE PROPERTY					0	
	Methyl Chloride							
	Methylene Chloride						0	
	1,1,2,2,-Tetrachloroethane			Annual Control of the			0	
	Tetrachloroethylene						0	
	Toluene	X					0	
	1,2-Trans-Dichloroethylene						0	
	1,1,1-Trichloroethane						0	
	1,1,2-Trichloroethane						0	
							0	
	Trichloroethylene						0	
	Vinyl Chloride	Title in the second		i i			A STATE OF THE PERSON NAMED IN	
	2-Chlorophenol						0	
	2,4-Dichlorophenol			O COLUMN TO THE PARTY OF THE PA			0	
	2,4-Dimethylphenol						0	
	4,6-Dinitro-O-Cresol						0	
	2,4-Dinitrophenol						0	
	2-Nitrophenol						0	
	4-Nitrophenol						0	
	p-Chloro-M-Cresol		[0	
							0	- 77
	Pentachlorophenol						0	
	Phenol	kan kacama kan kan kan kan kan kan kan kan kan ka		,			THE RESIDENCE OF THE PARTY OF T	
	2,4,6-Trichlorophenol						0	
	2-methyl-4,6 dinitrophenol						0	
	Acenaphthene						0	
	Acenaphthylene						0	
	Anthracene						0	
	Benzidine						0	
	Benzo(a)anthracene					T. T. T. T.	0	
	Benzo(a)pyrene	11.00					0	1 7
_							0	
-	3,4-Benzofluoranthene						0	
	Benzo(ghi)perylene							
	Benzo(k)fluoranthene						0	
	Bis(2-chloroethoxy)methane						0	-
	Bis(2-chloroethyl)ether						0	
	Bis(2-chloroisopropyl)ether						0	
	Bis(2-ethylyhexyl)phthalate						0	
	4-Bromophenyl Phenyl Ether						0	
	Butylbenzyl Phthalate						0	
	2-Chloronaphthalene						0	
	4-Chlorophenyl Phenyl Ether						0	
			i Geografia				0	
	Chrysene	anni da 1865 a 1865		I			,	
	Dibenzo(a,h)anthracene						0	
	1,2-Dichlorobenzene						0	
	1,3-Dichlorobenzene						0	
	1,4-Dichlorobenzene				.5.8		0	
	3,3'-Dichlorobenzidine						0	
	Diethyl Phthalate						0	
	Dimethyl Phthalate	x					0	
	Di-N-Butyl Phthalate						0	
	2,4-Dinitrotoluene						0	
							0	1
	2,6-Dinitrotoluene						(0)2	
	Di-N-Octyphthalate						0	
	1,2-Diphenylhydrazine (as Azobenzene)					0	
	Fluroranthene						0	
	Fluorene						o	
	Hexachlorobenzene						0	
							0	
	Hexachlorobutadiene							
	Hexachloroethane	in known deales ar salpidatele		1			0	
	Indeno(1,2,3-cd)pyrene						0	
	Isophorone						0	

			IVIGX	Values	Avg	/alues	No Sta	
	Pollutant	Believed Present	Initial Grab	Flow- Weighted Composite	Initial Grab	Flow- Weighted Composite	No. Storm Events Sampled	Units
	Napthalene	riesent	initial Gras	composite	miciai Gras	composite	0	Onics
	Nitrobenzene	1					0	
	N-Nitrosodimethylamine				ra uy		0	
	N-Nitrosodi-N-Propylamine			T - AV MA		18 17	0	
	N-Nitrosodiphenylamine						0	47 11
	Phenanthrene	Land of the second of					0	
	Pyrene						0	
	1,2,4-Trichlorobenzene						0	
T	Aldrin			111111111111111111111111111111111111111			0	
	Alpha-BHC					7 7 7	0	
	Beta-BHC						0	
	Gamma-BHC						0	
	Delta-BHC						0	
	Chlordane Chlordane						0	
							0	1000
	4,4'-DDT							
_	4,4'-DDE				ACTED AND P		0	
	4,4'-DDD			71 - 19			0	15
	Dieldrin						0	
	Alpha-Endosulfan				THE P	2 1 1 1	0	
	Beta-Endosulfan						0	
	Endosulfan Sulfate						0	
	Endrin					54 S. W	0	No.
	Endrin Aldehyde		الوسيين				0	
	Heptachlor						0	
	Heptachlor Epoxide			75.50			0	
	PCB-1242						0	
	PCB-1254					3 11 40	0	
	PCB-1221			-2771	7 70	177	0	100
	PCB-1232			100	W-00-18		0	
	PCB-1248						0	
	PCB-1260						0	
-	PCB-1016						0	
\rightarrow	Toxaphene						0	
_							U	
	Table 2F-4						0	
-	Asbestos						0	
-	Acetaldehyde	X					0	(N=
	Allyl alcohol						0	
_	Allyl chloride						0	
	Amyl acetate					S-LIVE S	0	
	Aniline						0	
	Benzonitrile				2 4 1		0	
	Benzyl chloride	X					0	
	Butyl acetate						0	
	Butylamine		HT HZ				0	
	Carbaryl					and the state of	0	
	Carbofuran				19-712		0	
	Carbon disulfide				HE THAT		0	
	Chlorpyrifos					BLJ VI	0	
	Coumaphos			- 100			0	
	Cresol			To Table			0	
	Crotonaldehyde		100000				0	
	Cyclohexane	X	- V				0	
	2,4-D (2,4-Dichlorophenoxyacetic acid)	^				19.00 F N	0	
	Diazinon				- 72		0	
	Dicamba						0	
	Dichlobenil						0	
	Dichlone					E1-	0	
	2,2-Dichloropropionic acid					- 4.00	0	
	Dichlorvos						0	
	Diethyl amine			Marie Marie			0	
-	Dimethyl amine			1300	13651		0	
	Dinitrobenzene						0	
	Diquat	TOTAL DATES					0	
-	Disulfoton	- 70 90 700 00		0.00			0	
	Diuron			27 70 15			0	
	Epichlorohydrin			THE REAL PROPERTY.	TO THE T		0	
-	Ethion		1 1				0	
	Ethylene diamine	х					0	

		Max	Values	Avg \	/alues		
Pollutant	Believed Present	Initial Grab	Flow- Weighted Composite	Initial Grab	Flow- Weighted Composite	No. Storm Events Sampled	Unit
Ethylene dibromide						0	
Formaldehyde	X					0	
Furfural	1515					0	
Guthion						0	100
Isoprene						0	
Isopropanolamine						0	
Kelthane						0	
Kepone						0	
Malathion						0	
Mercaptodimethur						0	
Methoxychlor						0	
Methyl mercaptan						0	
Methyl methacrylate	X					0	100
Methyl parathion						0	
Mevinphos						0	
Mexacarbate						0	
Monoethyl amine						0	
Monomethyl amine	X					0	
Naled						0	N. Y.
Napthenic acid						0	100
Nitrotoluene						0	
Parathion						0	
Phenolsulfonate	X					0	31 8
Phosgene	X					0	
Propargite						0	
Propylene oxide						0	
Pyrethrins						0	
Quinoline					0.44	0	
Resorcinol						0	
Stronthium						0	
Strychnine						0	
Styrene	X					0	
2,4,5-T (2,4,5-Trichlorophenoxyacetic	acid)					0	
TDE (Tetrachlorodiphenyl ethane)						0	
2,4,5-TP [2-(2,4,5-Trichlorophenoxy) p	ropanoic acid]					0	
Trichlorofan						0	
Triethylamine	х					0	
Trimethylamine						0	T. L.
Uranium						0	
Vanadium			4			0	
Vinyl acetate	х					0	- V
Xylene	X					0	
Xylenol						0	
Zirconium						0	

		No.	IVIGX	Values Flow-	Av ₆ v	/alues Flow-	No. Storm	
	Pollutant	Believed Present	Initial Grab	Weighted Composite	Initial Grab	Weighted Composite	Events Sampled	Units
art A	Required Parameters				0		12	ma/1
	0&G	NA	0	-	U		0	mg/l mg/l
	BOD5	NA NA	445		57.5		13	mg/L
	COD TSS	NA NA	141		42.3		13	mg/l
	Total Nitrogen	NA NA	141		42.5		0	mg/l
	Total Phosphorus	NA					0	mg/l
	pH	NA	8.0		7.3		13	SU
	pri	100	0.0		7.5			
art B	Pollutants included in facility effluent guidelines, or listed in N	PDES permit	for process wa	astewater (i.e	. Outfalls 001	and A01)	MALL VILLE	
	TOC	NA	141	5	26.1		13	mg/l
	Ammonia	NA	ALC: NO	RV L			0	K JULY
	TKN	NA					0	
	Nitrate-Nitrite	NA					0	
	Fluoride	NA				Carrie .	0	0
	E.coli	NA					0	
	Chromium, Total	NA					0	
6	Copper, Total	NA					0	
	Lead, Total	NA				The control	0	2411
	Nickel, Total	NA					0	
	Zinc, Total	NA					0	
1	Perfluoroctanoic Acid (PFOA)							
	Perfluorobutanoic Acid (PFBA)	1						
	Perfluorobutanesulfonamide (PFBSA)							
	Perfluorooctanesulfonamide (PFOSA)							
	Perfluorooctanesulfonate (PFOS)				14.00	20.4		
	Perfluorohexanoic Acid (PFHxA)			Se	e Attachment	2C-4		
	Perfluoroheptanoic Acid (PFHpA)							
	Perfluorobutanesulfonate (PFBS)							
		_						
	Perfluorohexanesulfonate (PFHS)							
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid							
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid							
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene	NA NA					0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile	NA					0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene	NA NA					0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride	NA NA NA					0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene	NA NA NA			1		0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene	NA NA NA NA			11		0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene	NA NA NA NA NA					0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane	NA NA NA NA NA					0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane	NA NA NA NA NA NA					0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane	NA					0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1-dichloroethane	NA					0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane	NA N					0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1-dichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,1-dichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane	NA N					0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane Chloroform	NA N					0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane Chloroethane Chloroethane Chloroform 1,2-dichlorobenzene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1-dichloroethane 1,1,2-dichloroethane Chloroform 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane Chloroform 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene(1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene 1,2-trichloroethylene 1,2-trichloroethylene 1,2-dichloroptopane 1,2-dichloropropane 1,2-dichloropropylene (cis- and trans-1,3-dichloropropene)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane Chloroethane Chloroethane 1,2-trichloroethane 1,1-dichloroethane 1,1-dichloroethene 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloroppapae 1,3-dichloroppopane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,4-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloroproppule 1,3-dichloroproppule (cis- and trans-1,3-dichloropropene) Ethylbenzene Fluoranthene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,1-dichlorobenzene 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-dichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,1-dichlorobenzene 1,2-dichloropenzene 1,3-dichloropenzene 1,1-dichloropenzene 1,2-dichloropropane 1,3-dichloroproppene 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-dichloropropane 1,2-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane) Methyl chloride (Chloromethane) Hexachlorobutadiene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane) Methyl chloride (Chloromethane) Hexachlorobutadiene Naphthalene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloroproppane 1,3-dichloroproppane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methyl chloride (Chloromethane) Methyl chloride (Chloromethane) Naphthalene Nitrobenzene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane Chloroethane Chloroform 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloroproppane 1,3-dichloroproppane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane) Methyl chloride (Chloromethane) Hexachlorobutadiene Naphthalene Nitrobenzene 2-nitrophenol	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane Chloroethane Chloroethane 1,3-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenyene 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloroppane 1,2-dichloroppane 1,3-dichloroppane 1,3-dichloroppan	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1,2-trichloroethane Chloroethane 1,1-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloroppape 1,3-dichloroppapene 1,3-dichloroppapene 1,3-dichloroppapene 1,3-dichloroppapene 1,3-dichloroproppane 1	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropenzene 1,3-dichloropropane 1,3-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane) Methyl chloride (Chloromethane) Hexachlorobutadiene Naphthalene Nitrobenzene 2-nitrophenol 4-nitrophenol 2,4-dinitro-o-cresol (2-Methyl-4,6-dinitrophenol)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1,2-trichloroethane Chloroethane 1,1-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloroppape 1,3-dichloroppapene 1,3-dichloroppapene 1,3-dichloroppapene 1,3-dichloroppapene 1,3-dichloroproppane 1	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	

			Max	Values	Avg V	/alues	N2 200	
	Pollutant	Believed Present	Initial Grab	Flow- Weighted Composite	Initial Grab	Flow- Weighted Composite	No. Storm Events Sampled	Units
	Diethyl Phthalate	NA	miliar star				0	
	Dimethyl phthalate	NA				100	0	
	Benzo(a) anthracene	NA		- 12 1 X 1 Y	1 2 2 3		0	
- 77	Benzo(a) pyrene	NA		A			0	3 - 0
	Benzo(b) fluoranthene (3,4-Benzofluoranthene)	NA		7		10000	0	
	Benzo(k) fluoranthene	NA					0	
	Chrysene	NA			150 TOS 51		0	m,
	Acenaphthylene	NA				Manager 1	0	
	Anthracene	NA				1400	0	
	Fluorene	NA			no Control	West of the	0	CONT.
	Phenanthrene	NA					0	
	Pyrene	NA					0	14
	Tetrachloroethylene (Tetrachlorethene)	NA					0	
	Toluene	NA	17.8		1.92		13	ug/l
	Trichloroethylene (Trichlorethene)	NA					0	
	Vinyl chloride	NA			C 200		0	
	Cyanide, Total	NA					0	2
40722		- 11	1 == =1				2.6	
t C	Pollutants known or believed to be present (and listed in Table 25.2	Tables 2F-2, 2F-3,	and 2F-4)				0	
	Table 2F-2						0	
	Bromide Chloring Total Recidual					1 11 17	0	
	Chlorine, Total Residual Color				74 V6 TV		0	
	Fecal Coliform				200000		0	D. T.
	Fluoride	x				THE STATE OF	0	
	Nitrate-Nitrite	^					0	
	Nitrogen, Total Organic						0	
	Oil and Grease	×					0	
	Phosphorus, Total	x					0	
	Radioactivity						0	
	Sulfate	x					0	
	Sulfite	X					0	
	Surfactants	X				C. C. C. C.	0	
	Aluminum, Total				7-4-11-5		0	- 1.
	Barium, Total	х			-107		0	TYT
	Boron, Total		7				0	
	Cobalt Total	х					0	
	Iron, Total	X			THE STATE OF		0	
	Magnesium, Total						0	
	Molybdenum, Total	Х					0	
	Manganese, Total	X			To May To		0	
	Tin, Total	X		×_			0	
	Titanium, Total						0	
	Table 2F-3			114	Trus V			
	Antimony, Total	х					0	
	Arsenic, Total		x1_02/7	0.00			0	
	Beryllium, Total		10,000			1	0	
	Cadmium, Total				504		0	
	Chromium, Total						0	
	Copper, Total	X					0	
	Lead, Total	X					0	
	Mercury, Total	X					0	
	Nickel, Total	والله والله					0	
	Selenium, Total						0	1.75
	Silver, Total	AL THE STREET	Maria Maria				0	
	Thallium, Total						0	
	Zinc, Total	X					0	
	Cyanide, Total						0	
	Phenols, Total	Х					0	1
	Acrolein		14 14 14 14				0	
	Acrylonitrile						0	
	Benzene						0	
	Bromoform						0	
	Carbon Tetrachloride						0	
	Chlorobenzene						0	
	Chlorodibromomethane						0	
	Chloroethane						0	

		Max	Values	Avg V	/alues		
Pollutant	E74 WILL TO		Flow-		Flow-	No. Storm	
	Believed Present	Initial Grab	Weighted Composite	Initial Grab	Weighted Composite	Events Sampled	Uni
Chloroform	Present	Initial Grab	Composite	Initial Grab	Composite	0	Uni
Dichlorobromomethane						0	
1,1-Dichloroethane			riting and			0	
1,2-Dichloroethane	X					0	
1,1-Dichloroethylene						0	
1,2-Dichloropropane						0	
1,3-Dichloropropylene						0	
Ethylbenzene	X					0	
Methyl Bromide						0	
Methyl Chloride				A		0	
Methylene Chloride						0	
1,1,2,2,-Tetrachloroethane			200 00100 000 000 000 000 000 000 000 00		Nestata Philippina	0	
Tetrachloroethylene						0	
Toluene	X					0	
1,2-Trans-Dichloroethylene						0	
1,1,1-Trichloroethane						0	
1,1,2-Trichloroethane						0	
Trichloroethylene						0	
Vinyl Chloride						0	
2-Chlorophenol						0	
2,4-Dichlorophenol						0	-
2,4-Dimethylphenol			20.00			0	
4,6-Dinitro-O-Cresol						0	
						0	
2,4-Dinitrophenol						0	
2-Nitrophenol						0	
4-Nitrophenol						0	
p-Chloro-M-Cresol						0	74.7
Pentachlorophenol	×		BARRATER VICE N			0	
Phenol	X					0	
2,4,6-Trichlorophenol		and the same	SHOTHING THE RESERVE		A CONTRACTOR OF THE PARTY OF TH	And the second second	
2-methyl-4,6 dinitrophenol						0	
Acenaphthene						0	
Acenaphthylene						0	
Anthracene						0	
Benzidine						0	
Benzo(a)anthracene						0	
Benzo(a)pyrene						0	
3,4-Benzofluoranthene						0	
Benzo(ghi)perylene						0	
Benzo(k)fluoranthene						0	
Bis(2-chloroethoxy)methane					116	0	
Bis(2-chloroethyl)ether						0	
Bis(2-chloroisopropyl)ether						0	
Bis(2-ethylyhexyl)phthalate						0	
4-Bromophenyl Phenyl Ether	(6.7)					0	
Butylbenzyl Phthalate						0	
2-Chloronaphthalene						0	
4-Chlorophenyl Phenyl Ether						0	
Chrysene						0	
Dibenzo(a,h)anthracene			The second second			0	
1,2-Dichlorobenzene						0	
1,3-Dichlorobenzene						0	
1,4-Dichlorobenzene						0	
3,3'-Dichlorobenzidine						0	
Diethyl Phthalate		1				0	
Dimethyl Phthalate	x					0	
Di-N-Butyl Phthalate						0	
2,4-Dinitrotoluene		MINISTRA NA SERVICIO DE 1881. 1881.				0	
2,6-Dinitrotoluene						0	
Di-N-Octyphthalate						0	
						0	7
1,2-Diphenylhydrazine (as Azobenzene)						0	
Fluroranthene							
Fluorene						0	
Hexachlorobenzene						0	
Hexachlorobutadiene						0	
- Hexachloroethane						0	
Indeno(1,2,3-cd)pyrene						0	
Isophorone						0	

			iviax	Values	Avg V			
	Pollutant	Believed Present	Initial Grab	Flow- Weighted Composite	Initial Grab	Flow- Weighted Composite	No. Storm Events Sampled	Units
	Napthalene	Tresent	micial Gras	Composite	miliar Grab	Composite	0	Office
110	Nitrobenzene						0	
	N-Nitrosodimethylamine			7			0	
	N-Nitrosodi-N-Propylamine		1	THE PARTY	100		0	
	N-Nitrosodiphenylamine					HILL SHAPE	0	
	Phenanthrene						0	
	Pyrene						0	
	1,2,4-Trichlorobenzene						0	
× 1	Aldrin						0	
	Alpha-BHC						0	
	Beta-BHC			-			0	
	Gamma-BHC				0.28 PA		0	
	Delta-BHC	-					0	
-	Chlordane						0	
-	4,4'-DDT						0	
-							122	
-	4,4'-DDE						0	
	4,4'-DDD						0	
	Dieldrin			La Control			0	
	Alpha-Endosulfan				WELL TO SERVICE		0	
	Beta-Endosulfan				TIS THE	THE PARTY	0	
	Endosulfan Sulfate				1000		0	K - 6.
	Endrin						0	
	Endrin Aldehyde						0	
	Heptachlor						0	
	Heptachlor Epoxide	X					0	
	PCB-1242				ALTON TO		0	
	PCB-1254				12 11 1		0	
	PCB-1221						0	
	PCB-1232				10 m / 10 m / 10		0	E 21-61
	PCB-1248				ALUM LE		0	
	PCB-1260						0	
	PCB-1016	-			100	600000	0	
	Toxaphene						0	
7	Table 2F-4							
- 14	Asbestos						0	_
-		V					0	
-	Acetaldehyde	X					0	
-	Allyl alcohol						0	
-	Allyl chloride						1000	
-	Amyl acetate						0	
	Aniline						0	
_	Benzonitrile					ALC: U.S.	0	
_	Benzyl chloride	X					0	
	Butyl acetate						0	
	Butylamine						0	
	Carbaryl					Let T	0	
	Carbofuran				YE HELD		0	
	Carbon disulfide						0	
	Chlorpyrifos						0	
	Coumaphos		17 7				0	
	Cresol		CLEAN				0	
	Crotonaldehyde		77 J. 30		TW [13-2-1		0	
	Cyclohexane	X	No. 10			STORY TO	0	
	2,4-D (2,4-Dichlorophenoxyacetic acid)						0	7.11
	Diazinon		THE STATE OF	77 70 8			0	
+	Dicamba		7.7				0	
	Dichlobenil						0	
+	Dichlone						0	
+							0	
+	2,2-Dichloropropionic acid							
	Dichlorvos		10-11-1				0	
	Diethyl amine						0	-
	Dimethyl amine		ALC: NO		15-81-61	26 018	0	- 2019
	Dinitrobenzene		- Charle				0	
	Diquat						0	1270
	Disulfoton		DAL WIF				0	
	Diuron	2120		THE THE	a Jorgan		0	
1	Epichlorohydrin				- 10 KM C 7 pl		0	1000
_	Ethion	The second	and the East of the				0	- 7
	EUROII						0	

		iviax	Values	AVg V	/alues	E	
Pollutant	Believed Present	Initial Grab	Flow- Weighted Composite	Initial Grab	Flow- Weighted Composite	No. Storm Events Sampled	Units
Ethylene dibromide		_ 6v 1				0	
Formaldehyde	X					0	
Furfural						0	
Guthion						0	
Isoprene		-15-5-				0	
Isopropanolamine						0	
Kelthane						0	
Kepone						0	
Malathion						0	
Mercaptodimethur			h.			0	70.4
Methoxychlor			10 - 10 - 1			0	
Methyl mercaptan						0	
Methyl methacrylate	X					0	
Methyl parathion			5-4			0	
Mevinphos						0	
Mexacarbate						0	
Monoethyl amine	- 1 Yell 1977					0	
Monomethyl amine	X					0	9
Naled					The House	0	
Napthenic acid						0	
Nitrotoluene						0	
Parathion						0	
Phenolsulfonate	X					0	,
Phosgene	X			7,0		0	
Propargite						0	
Propylene oxide						0	
Pyrethrins						0	
Quinoline						0	7
Resorcinol						0	
Stronthium					- 177	0	
Strychnine						0	
Styrene	X					0	
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)						0	
TDE (Tetrachlorodiphenyl ethane)						0	
2,4,5-TP [2-(2,4,5-Trichlorophenoxy) propanoic ac	cidl					0	
Trichlorofan	-101					0	
Triethylamine	X					0	
Trimethylamine	^					0	Laci
Uranium						0	
Vanadium						0	11-7-3
Vinyl acetate	х					0	
Xylene	X				1 - 1 - 1	0	
Xylenol	^					0	
Zirconium						0	

			Max	/alues	Avg V	/alues		
	Pollutant	Believed Present	Initial Grab	Flow- Weighted Composite	Initial Grab	Flow- Weighted Composite	No. Storm Events Sampled	Units
art A	Required Parameters	NA	0		0		12	mg/L
4.31	0&G	NA NA	U		U		0	mg/L
	BOD5	-	259		37.5		14	mg/L
	COD	NA NA			105		14	
	TSS	NA	300		105		1000	mg/L
	Total Nitrogen	NA					0	mg/l
GL.	Total Phosphorus	NA	200				0	mg/L
	pH	NA	8.1		7.3		14	SU
art B	Pollutants included in facility effluent guidelines, or listed in Ni			astewater (i.e		and A01)		
	TOC	NA	62.9		11.2		14	mg/l
	Ammonia	NA					0	
	TKN	NA					0	
	Nitrate-Nitrite	NA	OF CO.				0	
	Fluoride	NA					0	
	E.coli	NA	100				0	
	Chromium, Total	NA	-50				0	
	Copper, Total	NA					0	
	Lead, Total	NA	-2 3-X3				0	1-181-1
	Nickel, Total	NA	a Year allows				0	
I AT	Zinc, Total	NA					0	
	Perfluoroctanoic Acid (PFOA)		10			T OF THE		
	Perfluorobutanoic Acid (PFBA)							
	Perfluorobutanesulfonamide (PFBSA)							
	Perfluorooctanesulfonamide (PFOSA)							
	Perfluorooctanesulfonate (PFOS)	-						
_	The state of the s			So	e Attachment	20-4		
	Perfluorohexanoic Acid (PFHxA)	-		36	e Attacimient	20-4		
	Perfluoroheptanoic Acid (PFHpA)	_						
	Perfluorobutanesulfonate (PFBS)							
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS)							
	Perfluorobutanesulfonate (PFBS)							
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS)		V.					
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid	NA					0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid	NA NA					0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene	_	4					
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene	NA	4				0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride	NA NA NA	4				0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene	NA NA NA					0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene	NA NA NA NA					0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene	NA NA NA NA NA					0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane	NA NA NA NA NA NA					0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane	NA NA NA NA NA NA					0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1-dichloroethane 1,1,1-trichloroethane Hexachloroethane	NA					0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1-dichloroethane Hexachloroethane 1,1-dichloroethane	NA					0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1,2-trichloroethane	NA					0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,1-dichloroethane 1,1,1-dichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,1-trichloroethane	NA N					0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-trichloroethane 1,1-trichloroethane 1,1-trichloroethane 1,1-trichloroethane 1,1-trichloroethane 1,1-trichloroethane 1,1-trichloroethane 1,1-trichloroethane Chloroform	NA N					0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane Chloroform 1,2-dichlorobenzene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-trichloroethane 1,1-trichloroethane 1,1-trichloroethane 1,1-trichloroethane 1,1-trichloroethane 1,1-trichloroethane 1,1-trichloroethane 1,1-trichloroethane Chloroform	NA N					0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane Chloroform 1,2-dichlorobenzene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1-dichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene +exachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachlorothane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichlorobenzene 1,1-dichlorobenzene 1,2-dichlorobenzene 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,4-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroothane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane Chloroform 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,1-dichlorobenzene 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloroppylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,2-dichloroethylene 1,2-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,4-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane 1,3-dichloropropalene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,4-dichloroethylene (1,1-dichloroethene) 1,2-dirans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane 1,3-dichloropropalene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloropropene) 1,2-dichloropropane 1,3-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Chloromethane) Methyl chloride (Chloromethane) Hexachlorobutadiene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloropropene) 1,2-dichloropropane 1,3-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Chloromethane) Hexachlorobutadiene Naphthalene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloropropene) 1,2-dichloropropane 1,3-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Chloromethane) Methyl chloride (Chloromethane) Hexachlorobutadiene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloropropene) 1,2-dichloropropane 1,3-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Chloromethane) Hexachlorobutadiene Naphthalene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane 1,3-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methyl chloride (Chloromethane) Methyl chloride (Chloromethane) Methyl chloride (Chloromethane) Naphthalene Nitrobenzene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,2-dichlorobenzene 1,2-dichlorobenzene 1,2-dichlorobenzene 1,2-dichlorobenzene 1,2-dichloropenzene 1,3-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane) Methyl chloride (Chloromethane) Methyl chloride (Chloromethane) Naphthalene Nitrobenzene 2-nitrophenol	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1,2-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloroppane 1,3-dichloroppylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane) Methyl chloride (Chloromethane) Hexachloroburadiene Naphthalene Nitrobenzene 2-nitrophenol 4-nitrophenol 2,4-dinitrophenol	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane Chloroform 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloroppane 1,3-dichloroppane 1,3-dichloroppane	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1,2-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloroppane 1,3-dichloroppylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane) Methyl chloride (Chloromethane) Hexachloroburadiene Naphthalene Nitrobenzene 2-nitrophenol 4-nitrophenol 2,4-dinitrophenol	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	

			Max	Values	Avg	/alues	112	
	Pollutant	Believed Present	Initial Grab	Flow- Weighted Composite	Initial Grab	Flow- Weighted Composite	No. Storm Events Sampled	Units
	Diethyl Phthalate	NA					0	
T.V.	Dimethyl phthalate	NA					0	
	Benzo(a) anthracene	NA			1		0	
	Benzo(a) pyrene	NA					0	
. 17	Benzo(b) fluoranthene (3,4-Benzofluoranthene)	NA				SHARRE	0	
	Benzo(k) fluoranthene	NA				711111	0	
-	Chrysene	NA					0	2.77
	Acenaphthylene	NA					0	
	Anthracene	NA NA		7 - 1			0	3704
	Fluorene	NA NA					0	
	Phenanthrene	NA NA					0	- 1000
	200000 1000000 100000000000000000000000	- Venezioni					0	-
_	Pyrene (Tababla (Taba	NA						
	Tetrachloroethylene (Tetrachlorethene)	NA					0	
	Toluene	NA	0		0		12	ug/L
	Trichloroethylene (Trichlorethene)	NA					0	
	Vinyl chloride	NA					0	
	Cyanide, Total	NA					0	
						8 - 1		
t C	Pollutants known or believed to be present (and listed in	Tables 2F-2, 2F-3,	and 2F-4)		BUILDE			
	Table 2F-2	5.1				47.474.0	0	
	Bromide						0	
	Chlorine, Total Residual	1					0	
	Color					DOM:	0	
	Fecal Coliform				The Part of the	NA WEST	0	
	Fluoride	х					0	
	Nitrate-Nitrite						0	
	Nitrogen, Total Organic			ſ			0	
		V					0	
	Oil and Grease	X						
	Phosphorus, Total	X	We to the	STATE OF STATE			0	
	Radioactivity						0	
	Sulfate	X				De la Company	0	
	Sulfite	X					0	
	Surfactants	X					0	3
	Aluminum, Total		1 X 1 / 1				0	
	Barium, Total	X					0	
	Boron, Total						0	
	Cobalt Total	Х	V			114	0	
	Iron, Total	Х		- 3			0	
	Magnesium, Total						0	
	Molybdenum, Total	х					0	
	Manganese, Total	X					0	
	Tin, Total	X					0	
	Titanium, Total	^					0	
					7	7-1-1	3	-
	Table 2F-3	V					0	
	Antimony, Total	X					0	
	Arsenic, Total						0	
	Beryllium, Total		E 71				0	
	Cadmium, Total		7.1				0	
	Chromium, Total						0	
	Copper, Total	X					0	
	Lead, Total	X					0	
	Mercury, Total	Х					0	
	Nickel, Total						0	
	Selenium, Total		W. H. F.				0	
	Silver, Total						0	189 F
	Thallium, Total		100				0	/1 / 1
	Zinc, Total	X					0	
	Cyanide, Total	^-					0	
		1 1						
	Phenols, Total	X					0	
	Acrolein						0	
	Acrylonitrile						0	
	Benzene						0	
	Bromoform				1 8 1		0	
	Carbon Tetrachloride	-					0	
	Chlorobenzene						0	
	Chlorodibromomethane						0	
					1	·	0	
	Chloroethane							

		IVIAX	Values	Avg	alues	No Chama	
Pollutant	Believed Present	Initial Grab	Flow- Weighted Composite	Initial Grab	Flow- Weighted Composite	No. Storm Events Sampled	Unit
Chloroform						0	
Dichlorobromomethane						0	
1,1-Dichloroethane						0	
1,2-Dichloroethane	x					0	
1,1-Dichloroethylene						0	
1,2-Dichloropropane						0	
						0	
1,3-Dichloropropylene	x					0	
Ethylbenzene						0	
Methyl Bromide						0	
Methyl Chloride						0	
Methylene Chloride							
1,1,2,2,-Tetrachloroethane	J					0	
Tetrachloroethylene						0	
Toluene	X					0	
1,2-Trans-Dichloroethylene						0	
1,1,1-Trichloroethane						0	
1,1,2-Trichloroethane						0	
Trichloroethylene						0	
Vinyl Chloride						0	
2-Chlorophenol						0	
2,4-Dichlorophenol						0	
2,4-Dimethylphenol	Jacobski sa		'Important and			0	
4,6-Dinitro-O-Cresol						0	
						0	
2,4-Dinitrophenol						0	
2-Nitrophenol							
4-Nitrophenol						0	
p-Chloro-M-Cresol						0	
Pentachlorophenol						0	
Phenol	X					0	
2,4,6-Trichlorophenol		- J				0	
2-methyl-4,6 dinitrophenol						0	
Acenaphthene						0	
Acenaphthylene						0	
Anthracene						0	
Benzidine						0	
Benzo(a)anthracene		7				0	
Benzo(a)pyrene						0	
3,4-Benzofluoranthene				77 7 8 1		0	
Benzo(ghi)perylene						0	
The state of the s	-					0	
Benzo(k)fluoranthene						0	
Bis(2-chloroethoxy)methane						0	
Bis(2-chloroethyl)ether							
Bis(2-chloroisopropyl)ether		2 2				0	
Bis(2-ethylyhexyl)phthalate						0	
4-Bromophenyl Phenyl Ether						0	
Butylbenzyl Phthalate						0	11.00
2-Chloronaphthalene						0	
4-Chlorophenyl Phenyl Ether						0	
Chrysene						0	
Dibenzo(a,h)anthracene						0	
1,2-Dichlorobenzene			" - "	'		0	
1,3-Dichlorobenzene						0	
1,4-Dichlorobenzene						0	
			T			0	
3,3'-Dichlorobenzidine		l	I	L		0	
Diethyl Phthalate							
Dimethyl Phthalate	X					0	
Di-N-Butyl Phthalate			200 100			0	
2,4-Dinitrotoluene						0	
2,6-Dinitrotoluene				- 6		0	MITAG.
Di-N-Octyphthalate						0	314
1,2-Diphenylhydrazine (as Azobenzene						0	
Fluroranthene	1					0	
A CONTRACTOR OF THE PROPERTY O			1			0	
Fluorene						0	
Hexachlorobenzene							
Hexachlorobutadiene						0	
Hexachloroethane						0	
Indeno(1,2,3-cd)pyrene						0	12 4
Isophorone						0	10-

		100	Max	Values	Avg V			
	Pollutant	Believed Present	Initial Grab	Flow- Weighted Composite	Initial Grab	Flow- Weighted Composite	No. Storm Events Sampled	Units
	Napthalene						0	
	Nitrobenzene						0	
	N-Nitrosodimethylamine						0	
	N-Nitrosodi-N-Propylamine		175.6				0	
	N-Nitrosodiphenylamine						0	
	Phenanthrene						0	
	Pyrene						0	
	1,2,4-Trichlorobenzene						0	
-	Aldrin						0	
_	Alpha-BHC Beta-BHC					1 1 1 1	0	
	Gamma-BHC						0	
	Delta-BHC				110	1, 0	0	
	Chlordane						0	
	4,4'-DDT						0	
	4,4'-DDE					1	0	-STOR
	4,4'-DDD	-		- /5 -57			0	
	Dieldrin					- 7 - 1-(v)	0	
	Alpha-Endosulfan						0	_= - 111
	Beta-Endosulfan				A Liver Court		0	
	Endosulfan Sulfate				Thursday.		0	
	Endrin						0	STW. III
	Endrin Aldehyde						0	
	Heptachlor						0	
	Heptachlor Epoxide						0	
	PCB-1242		The Artist		+		0	
	PCB-1254						0	
	PCB-1221				10000		0	
	PCB-1232					100	0	
	PCB-1248						0	
	PCB-1260						0	
	PCB-1016						0	
-	Toxaphene Table 2F-4						U	
	Asbestos						0	
	Acetaldehyde	x					0	17
	Allyl alcohol						0	
	Allyl chloride			-			0	
	Amyl acetate					1 2	0	
	Aniline						0	
	Benzonitrile						0	
	Benzyl chloride	Х					0	
	Butyl acetate						0	
	Butylamine						0	
	Carbaryl						0	
	Carbofuran					Land Control	0	
	Carbon disulfide						0	
	Chlorpyrifos					nsoc at	0	
-	Coumaphos				AVE IN THE		0	
	Cresol						0	
	Crotonaldehyde						0	
	Cyclohexane	Х					0	
-	2,4-D (2,4-Dichlorophenoxyacetic acid)						0	
	Diazinon Dicamba					1.18	0	
	Dichlobenil		7			7	0	
	Dichlone						0	
	2,2-Dichloropropionic acid						0	
	Dichlorvos						0	
	Diethyl amine				7.7		0	- 7 %
	Dimethyl amine						0	
1	Dinitrobenzene						0	
	Diquat	30 K					0	
	Disulfoton						0	
	Diuron				75104		0	
-	Epichlorohydrin						0	
	Ethion						0	
	Ethylene diamine	X					0	

			Max	Values	Avg V	/alues		
	Pollutant	Believed Present	Initial Grab	Flow- Weighted Composite	Initial Grab	Flow- Weighted Composite	No. Storm Events Sampled	Units
Ethylene dibrom	de						0	
Formaldehyde		X					0	145
Furfural							0	
Guthion		. Later					0	
Isoprene		1 / 7					0	
Isopropanolamin	e			1956			0	
Kelthane			No.				0	
Kepone			The state of the s	-7.			0	
Malathion							0	
Mercaptodimeth	ur						0	
Methoxychlor			W. F.				0	
Methyl mercapta	n						0	
Methyl methacry		X				11-1-1	0	
Methyl parathion		1 1 2 2					0	
Mevinphos							0	
Mexacarbate							0	
Monoethyl amin						7111111111	0	1000
Monomethyl am		X					0	
Naled	.,,						0	4
Napthenic acid							0	
Nitrotoluene							0	
Parathion			8.9				0	
Phenolsulfonate		X					0	
Phosgene		X					0	
Propargite							0	
Propylene oxide							0	
Pyrethrins							0	
Quinoline							0	
Resorcinol							0	
Stronthium							0	
Strychnine							0	
Styrene		X					0	
	chlorophenoxyacetic acid)	^					0	
TDE (Tetrachloro							0	
	-Trichlorophenoxy) propanoic acid]						0	
Trichlorofan	Themorophenoxy) propariore acid						0	- 1-1
Triethylamine		X					0	VIII = 1
		^					0	
Trimethylamine							0	
Uranium							0	
Vanadium		V					0	
Vinyl acetate		X					0	
Xylene		^					0	
Xylenol			A ION				0	

			IVIAX \	/alues	Avg	/alues	No Starra	
	Pollutant	Believed Present	Initial Grab	Flow- Weighted Composite	Initial Grab	Flow- Weighted Composite	No. Storm Events Sampled	Units
rt A	Required Parameters	-	100				40	
	0&G	NA	0		0		12	mg/L
-11	BOD5	NA			1000		0	mg/l
	COD	NA	84.7		25.0		14	mg/l
	TSS	NA	203		52.6		14	mg/l
	Total Nitrogen	NA					0	mg/l
	Total Phosphorus	NA	SHEET SHEET				0	mg/l
	pH	NA	8.2		7.1		14	SU
							200	
art B	Pollutants included in facility effluent guidelines, or listed i			astewater (i.e		and A01)		
	TOC	NA	46.2		10.5		14	mg/l
	Ammonia	NA	100				0	
	TKN	NA					0	
	Nitrate-Nitrite	NA	78. 7. 3				0	
	Fluoride	NA					0	LOSE .
	E.coli	NA					0	
	Chromium, Total	NA					0	
	Copper, Total	NA				7 7 - 1 17	0	
Tar	Lead, Total	NA					0	
	Nickel, Total	NA	- No. 17 1				0	12,115
	Zinc, Total	NA					0	
	Perfluoroctanoic Acid (PFOA)							1715
	Perfluorobutanoic Acid (PFBA)							
77.77	Perfluorobutanesulfonamide (PFBSA)							
	Perfluorooctanesulfonamide (PFOSA)							
	Perfluorooctanesulfonate (PFOS)							
				So	e Attachment	20-4		
	Perfluorohexanoic Acid (PFHxA) Perfluoroheptanoic Acid (PFHpA)			30	e Attacimien			
_								
	Perfluorobutanesulfonate (PFBS)							
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS)							
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid							
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid							
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid	NA					0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid	NA					0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene						0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile	NA					0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene	NA NA					0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride	NA NA NA					0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene	NA NA NA					0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene	NA NA NA NA NA					0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane	NA NA NA NA NA					0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane	NA					0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane Hexachloroethane	NA					0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-dichloroethane 1,1-dichloroethane	NA N					0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1-dichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1,2-trichloroethane	NA N					0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1-trichloroethane 1,1,1-trichloroethane 1,1,1-dichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane Chloroethane Chloroethane	NA N					0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,1-dichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane Chloroethane Chloroform	NA N					0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1,2-trichloroethane Chloroethane Chloroform 1,2-dichlorobenzene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-dichloroethane 1,1-dichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobentane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1,2-dirchloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,2-dichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobentane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1,2-dirchloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichlorobenzene 1,1,2-dichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,4-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,1-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichlorobenzene 1,1,2-dichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,4-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethylene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,3-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachlorothane 1,1,2-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichlorobenzene 1,2-dichlorobenzene 1,2-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1-dichloroethane 1,1-dichloroethane Chloroform 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloroppylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,2-dichlorobenzene 1,2-dichlorobenzene 1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,4-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloropropene) 1,2-dichloropopane 1,3-dichloropopane 1,3-dichloroppylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichlorobenzene 1,2-dichlorobenzene 1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,1-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloropropene) 1,2-dichloropropane 1,3-dichloropropalene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,2-dichloroethylene (1,1-dichloroethene) 1,2-dichloropropane 1,2-dichloropropane 1,3-dichloropropane 1,3-dichloropropane 1,3-dichloropropane 1,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane) Methyl chloride (Chloromethane) Hexachlorobutadiene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,1-dichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,1-dichlorobenzene 1,1-dichlorobenzene 1,1-dichlorobenzene 1,1-dichloropenzene 1,1-dichloropenzene 1,1-dichloropenzene 1,1-dichloropenzene 1,2-dichloropenzene 1,2-dichloropropane 1,2-dichloropropane 1,3-dichloropropane 1,3-dichloropropane 1,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane) Methyl chloride (Chloromethane) Hexachlorobutadiene Naphthalene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,2-dichlorobenzene 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane) Methylene chloride (Chloromethane) Hexachlorobutadiene Naphthalene Nitrobenzene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichlorobenzene 1,2-dichlorobenzene 1,1,2-dichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,4-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane) Methyl chloride (Chloromethane) Hexachlorobutadiene Naphthalene Nitrobenzene 2-nitrophenol	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachlorobethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane 1,3-dichloropropane 1,3-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane) Methyl chloride (Chloromethane) Nethyl chloride (Chloromethane) Nethyl chloride (Chloromethane) Naphthalene Nitrobenzene 2-nitrophenol 4-nitrophenol	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene Hexachloroethane 1,1,1-trichloroethane Hexachloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane Chloroform 1,2-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichlorobenzene 1,2-dichlorobenzene 1,2-dichlorobenzene 1,1-dichloroethylene (trans-1,2-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloropropene 1,3-dichloropropane	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1,2-trichloroethane 1,1-dichloroethane Chloroethane 1,1-dichloroethane 1,1-dichloroethane 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane 1,3-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane) Methyl chloride (Chloromethane) Hexachlorobutadiene Naphthalene Nitrobenzene 2-nitrophenol 4-nitrophenol 2,4-dinitrophenol 2,4-dinitrophenol 2,4-dinitrophenol 4,6-dinitro-o-cresol (2-Methyl-4,6-dinitrophenol)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene Hexachloroethane 1,1,1-trichloroethane Hexachloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane Chloroform 1,2-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichlorobenzene 1,2-dichlorobenzene 1,2-dichlorobenzene 1,1-dichloroethylene (trans-1,2-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloropropene 1,3-dichloropropane	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1,2-trichloroethane 1,1-dichloroethane Chloroethane 1,1-dichloroethane 1,1-dichloroethane 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane 1,3-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane) Methyl chloride (Chloromethane) Hexachlorobutadiene Naphthalene Nitrobenzene 2-nitrophenol 4-nitrophenol 2,4-dinitrophenol 2,4-dinitrophenol 2,4-dinitrophenol 4,6-dinitro-o-cresol (2-Methyl-4,6-dinitrophenol)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	

			Max	Values	Avg \	/alues		
	Pollutant	Believed Present	Initial Grab	Flow- Weighted Composite	Initial Grab	Flow- Weighted Composite	No. Storm Events Sampled	Units
	Diethyl Phthalate	NA					0	
-	Dimethyl phthalate	NA					0	
	Benzo(a) anthracene	NA					0	M.V.
	Benzo(a) pyrene	NA		THE STATE OF			0	10
-5	Benzo(b) fluoranthene (3,4-Benzofluoranthene)	NA					0	0.0
	Benzo(k) fluoranthene	NA					0	
	Chrysene	NA					0	
	Acenaphthylene	- NA			W 18	1000	0	
	Anthracene	NA			Live net		0	
	Fluorene	NA		A CONTRACTOR			0	
	Phenanthrene	NA					0	
	Pyrene	NA					0	
	Tetrachloroethylene (Tetrachlorethene)	NA					0	
	Toluene	NA	0		0		12	ug/L
	Trichloroethylene (Trichlorethene)	NA			N. 15-11		0	
	Vinyl chloride	NA			TO PERSON	1	0	
	Cyanide, Total	NA					0	
					9.7			
t C	Pollutants known or believed to be present (and listed in	Tables 2F-2, 2F-3,	and 2F-4)	44				
	Table 2F-2				II KOK I I		0	
	Bromide						0	
	Chlorine, Total Residual					100 1-9	0	131114
1,	Color						0	
	Fecal Coliform						0	
	Fluoride	X					0	
	Nitrate-Nitrite						0	
	Nitrogen, Total Organic						0	
	Oil and Grease	X					0	
	Phosphorus, Total	X					0	
	Radioactivity					in which	0	
	Sulfate	Х					0	
	Sulfite	X		1111/6	- W	15 1000	0	
	Surfactants	X					0	
	Aluminum, Total					5 1 5 6 F	0	
	Barium, Total	X					0	
	Boron, Total						0	
	Cobalt Total	Х					0	1
	Iron, Total	X					0	
	Magnesium, Total		for the				0	
	Molybdenum, Total	X	242 2 7 1				0	
	Manganese, Total	X				- L	0	
	Tin, Total	Х					0	
	Titanium, Total						0	
	Table 2F-3							
	Antimony, Total	X					0	
	Arsenic, Total						0	
	Beryllium, Total		11111			1.4	0	
	Cadmium, Total		Ducation				0	
	Chromium, Total						. 0	
	Copper, Total	x					0	
	Lead, Total	X					0	
	Mercury, Total	X	- 1 1 1				0	
	Nickel, Total						0	
	Selenium, Total		Ed				0	
	Silver, Total						0	
	Thallium, Total		Armin				0	
	Zinc, Total	X					0	
	Cyanide, Total						0	
	Phenols, Total	X			0.0	/ 1200	0	
	Acrolein		0-71 - 1			malfanger)	0	
	Acrylonitrile						0	
	Benzene						0	
	Bromoform						0	
	Carbon Tetrachloride						0	
	Chlorobenzene						0	
	Chlorodibromomethane						0	
	Chloroethane						0	
	2-Chloroethylvinyl Ether			I			0	-

			Values Flow-	,	/alues Flow-	No. Storm	
Pollutant	Believed	WELL TO	Weighted		Weighted	Events	
	Present	Initial Grab	Composite	Initial Grab	Composite	Sampled	Un
Chloroform						0	
Dichlorobromomethane						0	
1,1-Dichloroethane						0	
1,2-Dichloroethane	X					0	
1,1-Dichloroethylene						0	
1,2-Dichloropropane						0	
1,3-Dichloropropylene						0	
Ethylbenzene	x					0	
Methyl Bromide						0	
Methyl Chloride					William Service	0	
Methylene Chloride						o	
						0	
1,1,2,2,-Tetrachloroethane						0	
Tetrachloroethylene							
Toluene	X					0	
1,2-Trans-Dichloroethylene						0	
1,1,1-Trichloroethane						0	
1,1,2-Trichloroethane						0	
Trichloroethylene						0	
Vinyl Chloride						0	
2-Chlorophenol						0	
						0	117
2,4-Dichlorophenol							
2,4-Dimethylphenol						0	
4,6-Dinitro-O-Cresol						0	
2,4-Dinitrophenol						0	
2-Nitrophenol						0	
4-Nitrophenol						0	
p-Chloro-M-Cresol						0	
						0	
Pentachlorophenol						0	
Phenol	X					A STATE OF THE PARTY OF THE PAR	
2,4,6-Trichlorophenol						0	
2-methyl-4,6 dinitrophenol						0	
Acenaphthene						0	
Acenaphthylene						0	
Anthracene						0	
Benzidine						0	
Benzo(a)anthracene						0	
Benzo(a)pyrene						0	
						0	
3,4-Benzofluoranthene							
Benzo(ghi)perylene		B. V. E. n.E.				0	
						0	
Benzo(ghi)perylene						0	
Benzo(ghi)perylene Benzo(k)fluoranthene Bis(2-chloroethoxy)methane						0	
Benzo(ghi)perylene Benzo(k)fluoranthene Bis(2-chloroethoxy)methane Bis(2-chloroethyl)ether						0 0	
Benzo(ghi)perylene Benzo(k)fluoranthene Bis(2-chloroethoxy)methane Bis(2-chloroethyl)ether Bis(2-chloroisopropyl)ether						0 0 0	
Benzo(ghi)perylene Benzo(k)fluoranthene Bis(2-chloroethoxy)methane Bis(2-chloroethyl)ether Bis(2-chloroisopropyl)ether Bis(2-ethylyhexyl)phthalate						0 0 0 0 0	
Benzo(ghi)perylene Benzo(k)fluoranthene Bis(2-chloroethoxy)methane Bis(2-chloroethyl)ether Bis(2-chloroisopropyl)ether Bis(2-ethylyhexyl)phthalate 4-Bromophenyl Phenyl Ether						0 0 0 0 0 0	
Benzo(ghi)perylene Benzo(k)fluoranthene Bis(2-chloroethoxy)methane Bis(2-chloroethyl)ether Bis(2-chloroisopropyl)ether Bis(2-ethylyhexyl)phthalate 4-Bromophenyl Phenyl Ether Butylbenzyl Phthalate						0 0 0 0 0 0	
Benzo(ghi)perylene Benzo(k)fluoranthene Bis(2-chloroethoxy)methane Bis(2-chloroethyl)ether Bis(2-chloroisopropyl)ether Bis(2-ethylyhexyl)phthalate 4-Bromophenyl Phenyl Ether Butylbenzyl Phthalate 2-Chloronaphthalene						0 0 0 0 0 0 0 0	
Benzo(ghi)perylene Benzo(k)fluoranthene Bis(2-chloroethoxy)methane Bis(2-chloroethyl)ether Bis(2-chlorosopropyl)ether Bis(2-ethylyhexyl)phthalate 4-Bromophenyl Phenyl Ether Butylbenzyl Phthalate 2-Chloronaphthalene 4-Chlorophenyl Phenyl Ether						0 0 0 0 0 0 0 0	
Benzo(ghi)perylene Benzo(k)fluoranthene Bis(2-chloroethoxy)methane Bis(2-chloroisopropyl)ether Bis(2-chloroisopropyl)ether Bis(2-ethylyhexyl)phthalate 4-Bromophenyl Phenyl Ether Butylbenzyl Phthalate 2-Chloronaphthalene 4-Chlorophenyl Phenyl Ether Chrysene						0 0 0 0 0 0 0 0 0	
Benzo(ghi)perylene Benzo(k)fluoranthene Bis(2-chloroethoxy)methane Bis(2-chloroethyl)ether Bis(2-chloroisopropyl)ether Bis(2-chloroisopropyl)ether Bis(2-ethylyhexyl)phthalate 4-Bromophenyl Phenyl Ether Butylbenzyl Phthalate 2-Chloronaphthalene 4-Chlorophenyl Phenyl Ether Chrysene Dibenzo(a,h)anthracene						0 0 0 0 0 0 0 0 0 0	
Benzo(ghi)perylene Benzo(k)fluoranthene Bis(2-chloroethoxy)methane Bis(2-chloroisopropyl)ether Bis(2-chloroisopropyl)ether Bis(2-ethylyhexyl)phthalate 4-Bromophenyl Phenyl Ether Butylbenzyl Phthalate 2-Chloronaphthalene 4-Chlorophenyl Phenyl Ether Chrysene						0 0 0 0 0 0 0 0 0	
Benzo(ghi)perylene Benzo(k)fluoranthene Bis(2-chloroethoxy)methane Bis(2-chloroethyl)ether Bis(2-chloroisopropyl)ether Bis(2-chloroisopropyl)ether Bis(2-ethylyhexyl)phthalate 4-Bromophenyl Phenyl Ether Butylbenzyl Phthalate 2-Chloronaphthalene 4-Chlorophenyl Phenyl Ether Chrysene Dibenzo(a,h)anthracene 1,2-Dichlorobenzene						0 0 0 0 0 0 0 0 0 0	
Benzo(ghi)perylene Benzo(k)fluoranthene Bis(2-chloroethoxy)methane Bis(2-chloroethyl)ether Bis(2-chloroisopropyl)ether Bis(2-chloroisopropyl)ether Bis(2-ethylyhexyl)phthalate 4-Bromophenyl Phenyl Ether Butylbenzyl Phthalate 2-Chloronaphthalene 4-Chlorophenyl Phenyl Ether Chrysene Dibenzo(a,h)anthracene 1,2-Dichlorobenzene 1,3-Dichlorobenzene						0 0 0 0 0 0 0 0 0 0 0 0	
Benzo(ghi)perylene Benzo(k)fluoranthene Bis(2-chloroethoxy)methane Bis(2-chloroethyl)ether Bis(2-chloroisopropyl)ether Bis(2-ethylyhexyl)phthalate 4-Bromophenyl Phenyl Ether Butylbenzyl Phthalate 2-Chloronaphthalene 4-Chlorophenyl Phenyl Ether Chrysene Dibenzo(a,h)anthracene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene						0 0 0 0 0 0 0 0 0 0 0 0 0	
Benzo(ghi)perylene Benzo(k)fluoranthene Bis(2-chloroethoxy)methane Bis(2-chloroethyl)ether Bis(2-chloroisopropyl)ether Bis(2-ethylyhexyl)phthalate 4-Bromophenyl Phenyl Ether Butylbenzyl Phthalate 2-Chloronaphthalene 4-Chlorophenyl Phenyl Ether Chrysene Dibenzo(a,h)anthracene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 3,3'-Dichlorobenzidine						0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Benzo(ghi)perylene Benzo(k)fluoranthene Bis(2-chloroethoxy)methane Bis(2-chlorospropyl)ether Bis(2-chlorospropyl)ether Bis(2-ethylyhexyl)phthalate 4-Bromophenyl Phenyl Ether Butylbenzyl Phthalate 2-Chloronaphthalene 4-Chlorophenyl Phenyl Ether Chrysene Dibenzo(a,h)anthracene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 3,3'-Dichlorobenzene 3,3'-Dichlorobenzene 1,3-Dichlorobenzene						0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Benzo(ghi)perylene Benzo(k)fluoranthene Bis(2-chloroethoxy)methane Bis(2-chlorospropyl)ether Bis(2-chloroisopropyl)ether Bis(2-ethylyhexyl)phthalate 4-Bromophenyl Phenyl Ether Butylbenzyl Phthalate 2-Chloronaphthalene 4-Chlorophenyl Phenyl Ether Chrysene Dibenzo(a,h)anthracene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 3,3'-Dichlorobenzene 3,3'-Dichlorobenzidine Diethyl Phthalate Dimethyl Phthalate	X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Benzo(ghi)perylene Benzo(k)fluoranthene Bis(2-chloroethoxy)methane Bis(2-chlorospropyl)ether Bis(2-chloroisopropyl)ether Bis(2-ethylyhexyl)phthalate 4-Bromophenyl Phenyl Ether Butylbenzyl Phthalate 2-Chloronaphthalene 4-Chlorophenyl Phenyl Ether Chrysene Dibenzo(a,h)anthracene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 3,3'-Dichlorobenzidine Diethyl Phthalate Dimethyl Phthalate Din-N-Butyl Phthalate	X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Benzo(ghi)perylene Benzo(k)fluoranthene Bis(2-chloroethoxy)methane Bis(2-chlorospropyl)ether Bis(2-chloroisopropyl)ether Bis(2-ethylyhexyl)phthalate 4-Bromophenyl Phenyl Ether Butylbenzyl Phthalate 2-Chloronaphthalene 4-Chlorophenyl Phenyl Ether Chrysene Dibenzo(a,h)anthracene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 3,3'-Dichlorobenzene 3,3'-Dichlorobenzidine Diethyl Phthalate Dimethyl Phthalate	x					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Benzo(ghi)perylene Benzo(k)fluoranthene Bis(2-chloroethoxy)methane Bis(2-chloroisopropyl)ether Bis(2-chloroisopropyl)ether Bis(2-ethylyhexyl)phthalate 4-Bromophenyl Phenyl Ether Butylbenzyl Phthalate 2-Chloronaphthalene 4-Chlorophenyl Phenyl Ether Chrysene Dibenzo(a,h)anthracene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 1,5-Dichlorobenzene 1,5-Dichlorobenzene 1,6-Dichlorobenzene 1,7-Dichlorobenzene 1,8-Dichlorobenzene	X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Benzo(ghi)perylene Benzo(k)fluoranthene Bis(2-chloroethoxy)methane Bis(2-chloroisopropyl)ether Bis(2-chloroisopropyl)ether Bis(2-ethylyhexyl)phthalate 4-Bromophenyl Phenyl Ether Butylbenzyl Phthalate 2-Chloronaphthalene 4-Chlorophenyl Phenyl Ether Chrysene Dibenzo(a,h)anthracene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 1,5-Dichlorobenzene 1,5-Dichlorobenzene 1,6-Dinthorobenzene 2,6-Dinitrotoluene 2,6-Dinitrotoluene	X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Benzo(ghi)perylene Benzo(k)fluoranthene Bis(2-chloroethoxy)methane Bis(2-chloroisopropyl)ether Bis(2-chloroisopropyl)ether Bis(2-ethylyhexyl)phthalate 4-Bromophenyl Phenyl Ether Butylbenzyl Phthalate 2-Chloronaphthalene 4-Chloronaphthalene 4-Chlorophenyl Phenyl Ether Chrysene Dibenzo(a,h)anthracene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzidine Diethyl Phthalate Dimethyl Phthalate Dimethyl Phthalate Di-N-Butyl Phthalate 2,4-Dinitrotoluene 2,6-Dinitrotoluene Di-N-Octyphthalate	X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Benzo(ghi)perylene Benzo(k)fluoranthene Bis(2-chloroethoxy)methane Bis(2-chloroisopropyl)ether Bis(2-chloroisopropyl)ether Bis(2-ethylyhexyl)phthalate 4-Bromophenyl Phenyl Ether Butylbenzyl Phthalate 2-Chloronaphthalene 4-Chloronaphthalene 4-Chlorophenyl Phenyl Ether Chrysene Dibenzo(a,h)anthracene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 2,6-Dintrotoluene Di-N-Octyphthalate Di-N-Octyphthalate 1,2-Diphenylhydrazine (as Azobenzene)	X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Benzo(ghi)perylene Benzo(k)fluoranthene Bis(2-chloroethoxy)methane Bis(2-chloroethyl)ether Bis(2-chloroisopropyl)ether Bis(2-chloroisopropyl)ether Bis(2-ethylyhexyl)phthalate 4-Bromophenyl Phenyl Ether Butylbenzyl Phthalate 2-Chloronaphthalene 4-Chlorophenyl Phenyl Ether Chrysene Dibenzo(a,h)anthracene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 2,6-Dintrotoluene Di-N-Butyl Phthalate Di-N-Butyl Phthalate Di-N-Octyphthalate 1,2-Diphenylhydrazine (as Azobenzene) Fluroranthene	X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Benzo(ghi)perylene Benzo(k)fluoranthene Bis(2-chloroethoxy)methane Bis(2-chloroethyl)ether Bis(2-chloroisopropyl)ether Bis(2-chloroisopropyl)ether Bis(2-chloroisopropyl)ether Bis(2-chlyhexyl)phthalate 4-Bromophenyl Phenyl Ether Butylbenzyl Phthalate 2-Chloronaphthalene 4-Chlorophenyl Phenyl Ether Chrysene Dibenzo(a,h)anthracene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 3,3'-Dichlorobenzidine Diethyl Phthalate Dimethyl Phthalate Dimethyl Phthalate Di-N-Butyl Phthalate 2,4-Dinitrotoluene 2,6-Dinitrotoluene Di-N-Octyphthalate 1,2-Diphenylhydrazine (as Azobenzene) Fluorene	X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Benzo(ghi)perylene Benzo(k)fluoranthene Bis(2-chloroethoxy)methane Bis(2-chloroethyl)ether Bis(2-chloroisopropyl)ether Bis(2-chloroisopropyl)ether Bis(2-ethylyhexyl)phthalate 4-Bromophenyl Phenyl Ether Butylbenzyl Phthalate 2-Chloronaphthalene 4-Chlorophenyl Phenyl Ether Chrysene Dibenzo(a,h)anthracene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 2,6-Dintrotoluene Di-N-Butyl Phthalate Di-N-Butyl Phthalate Di-N-Octyphthalate 1,2-Diphenylhydrazine (as Azobenzene) Fluroranthene	×					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Benzo(ghi)perylene Benzo(k)fluoranthene Bis(2-chloroethoxy)methane Bis(2-chloroethyl)ether Bis(2-chloroisopropyl)ether Bis(2-chloroisopropyl)ether Bis(2-chloroisopropyl)ether Bis(2-chlyhexyl)phthalate 4-Bromophenyl Phenyl Ether Butylbenzyl Phthalate 2-Chloronaphthalene 4-Chlorophenyl Phenyl Ether Chrysene Dibenzo(a,h)anthracene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 3,3'-Dichlorobenzidine Diethyl Phthalate Dimethyl Phthalate Dimethyl Phthalate Di-N-Butyl Phthalate 2,4-Dinitrotoluene 2,6-Dinitrotoluene Di-N-Octyphthalate 1,2-Diphenylhydrazine (as Azobenzene) Fluorene	X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Benzo(ghi)perylene Benzo(k)fluoranthene Bis(2-chloroethoxy)methane Bis(2-chloroisopropyl)ether Bis(2-chloroisopropyl)ether Bis(2-ethylyhexyl)phthalate 4-Bromophenyl Phenyl Ether Butylbenzyl Phthalate 2-Chloronaphthalene 4-Chlorophenyl Phenyl Ether Chrysene Dibenzo(a,h)anthracene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 3,3'-Dichlorobenzene 1,4-Dinhorobenzene 2,4-Dinitrotoluene Di-N-Butyl Phthalate Dimethyl Phthalate Di-N-Butyl Phthalate 2,4-Dinitrotoluene 2,6-Dinitrotoluene 2,6-Dinitrotoluene Fluorene Hexachlorobenzene Hexachlorobenzene Hexachlorobenzene	X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Benzo(ghi)perylene Benzo(k)fluoranthene Bis(2-chloroethoxy)methane Bis(2-chloroethyl)ether Bis(2-chloroisopropyl)ether Bis(2-ethylyhexyl)phthalate 4-Bromophenyl Phenyl Ether Butylbenzyl Phthalate 2-Chloronaphthalene 4-Chlorophenyl Phenyl Ether Chrysene Dibenzo(a,h)anthracene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 3,3'-Dichlorobenzene 3,3'-Dichlorobenzene 2,4-Dinitrotoluene Di-N-Butyl Phthalate Di-N-Butyl Phthalate Di-N-Butyl Phthalate 2,4-Dinitrotoluene 1,2-Diphenylhydrazine (as Azobenzene) Fluorene Hexachlorobenzene	X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	

			Max	/alues	Avg V			
	Pollutant	Believed Present	Initial Grab	Flow- Weighted Composite	Initial Grab	Flow- Weighted Composite	No. Storm Events Sampled	Units
	Napthalene	Fresent	mittal Glab	Composite	mittal Grab	Composite	0	Office
	Nitrobenzene						0	
	N-Nitrosodimethylamine						0	
	N-Nitrosodi-N-Propylamine			7. ()		300	0	J. F.
	N-Nitrosodiphenylamine						0	
	Phenanthrene						0	
	Pyrene						0	
	1,2,4-Trichlorobenzene						0	
	Aldrin	-Washington and the second	217 - 41				0	
	Alpha-BHC	(a)					0	
	Beta-BHC						0	3
	Gamma-BHC						0	of his
	Delta-BHC						0	
	Chlordane				TWA TUE		0	TO SERVICE
	4,4'-DDT	m killing in				May - Live	0	
	4,4'-DDE						0	Park III
	4,4'-DDD						0	
	Dieldrin						0	
	Alpha-Endosulfan				Market Com		0	
	Beta-Endosulfan			7 (4)	MARKEN	VIII HELLE	0	
	Endosulfan Sulfate						0	dia .
	Endrin				false and	- 100	0	100
	Endrin Aldehyde					The state of	0	
	Heptachlor						0	
	Heptachlor Epoxide						0	_
	PCB-1242					100	0	11
	PCB-1254				40,000		0	1
	PCB-1221						0	
	PCB-1232						0	
	PCB-1248				71515	N. L. E.	0	
	PCB-1260						0	1111
	PCB-1016						0	
_	Toxaphene			A P Control of			0	11-11
	Table 2F-4							
	Asbestos						0	
	Acetaldehyde	X		11000	Day of the Res		0	
	Allyl alcohol						0	
	Allyl chloride			B		The page	0	- T
	Amyl acetate					1	0	
_	Aniline				The Avenue	No.	0	
	Benzonitrile						0	
	Benzyl chloride	X					0	
_	Butyl acetate						0	
	Butylamine				1000		0	
	Carbaryl			LIGHT.	711		0	
_	Carbofuran						0	
	Carbon disulfide						0	
	Chlorpyrifos						0	
	Coumaphos						0	
-	Cresol						0	
-	Crotonaldehyde						0	-
-	Cyclohexane	X					0	
	2,4-D (2,4-Dichlorophenoxyacetic acid)						0	
	Diazinon	No. of the last of					0	
-	Dicamba			THE PERSON			0	
	Dichlobenil			A STATE OF THE STATE OF	MATE .		0	
-	Dichlone					49	0	
	2,2-Dichloropropionic acid	Marin Marin					0	
	Dichlorvos				LAC III		0	
	Diethyl amine			L. LEWIN			0	L.
	Dimethyl amine						0	
	Dinitrobenzene			L A TABLE			0	
	Diquat			1000			0	
	Disulfoton			1011-1	- B		0	
	Diuron			The first of	100		0	
							0	
	Epichlorohydrin Ethion						0	

			Max \	/alues	Avg \	/alues		
Polluta	ant	Believed Present	Initial Grab	Flow- Weighted Composite	Initial Grab	Flow- Weighted Composite	No. Storm Events Sampled	Unit
Ethylene dibromide			- FA 3				0	
Formaldehyde		X					0	
Furfural							0	
Guthion							0	
Isoprene							0	TW.
Isopropanolamine							0	
Kelthane							0	
Kepone							0	
Malathion							0	A
Mercaptodimethur							0	
Methoxychlor		17 17 17 17	7				0	V W
Methyl mercaptan							0	
Methyl methacrylate		X	The same of				0	
Methyl parathion							0	
Mevinphos							0	
Mexacarbate						7-7-1	0	
Monoethyl amine					ii ii		0	
Monomethyl amine		X					0	No.
Naled							0	1
Napthenic acid							0	76.5
Nitrotoluene							0	
Parathion		1 1 30					0	
Phenolsulfonate		X					0	
Phosgene		X					0	
Propargite							0	
Propylene oxide							0	
Pyrethrins							0	
Quinoline							0	
Resorcinol							0	
Stronthium							0	
Strychnine							0	
Styrene		X					0	
2,4,5-T (2,4,5-Trichloropher	nowacetic acid)						0	
TDE (Tetrachlorodiphenyl e			1110				0	
2,4,5-TP [2-(2,4,5-Trichloro							0	
Trichlorofan	prierioxy) proparioic acid]						0	-
Triethylamine		X					0	
Trimethylamine		^					0	
Uranium							0	W
Vanadium							0	700
		X					0	
Vinyl acetate		X					0	
Xylene		^					0	
Xylenol Zirconium							0	

			7	Max	Values	AVg V	/alues	Marin Marine	
		Pollutant	Believed	Initial Coah	Flow- Weighted Composite	Initial Grab	Flow- Weighted Composite	No. Storm Events Sampled	Unit
	Described Descriptors		Present	Initial Grab	Composite	Initial Grab	Composite	Sampleu	Onic
art A	Required Parameters O&G		NA	0		0		12	mg/l
	BOD5		NA	0				0	mg/l
	COD		NA	372		51.0		14	mg/l
	TSS		NA NA	1630		169		14	mg/l
				1030		103		0	mg/
	Total Nitrogen		NA						
	Total Phosphorus		NA					0	mg/
	рН		NA	8.1		7.2		14	SU
art B	Pollutants included in f	acility effluent guidelines, or listed in Ni	PDES permit	17,00777					
	TOC		NA	23.1		11.5		14	mg/
	Ammonia		NA					0	
	TKN		NA	Park to				0	
	Nitrate-Nitrite		NA				7.77.0	0	
	Fluoride		NA					0	
	E.coli		NA					0	
			17000000					0	
	Chromium, Total		NA NA					1000	
	Copper, Total		NA					0	
	Lead, Total		NA					0	
TI TI	Nickel, Total		NA					0	
	Zinc, Total		NA					0	
77.5	Perfluoroctanoic Acid	d (PFOA)							
	Perfluorobutanoic A								
	Perfluorobutanesulfo								
- 1	Perfluorooctanesulfo								
	The state of the s		-						
	Perfluorooctanesulfo						20.4		
	Perfluorohexanoic A		_		Se	e Attachment	20-4		
	Perfluoroheptanoic /	Acid (PEHnA)							
	remuoroneptanoic /	icia (i i i ipri)							
	Perfluorobutanesulfo								
		onate (PFBS)							
	Perfluorobutanesulfo Perfluorohexanesulfo	onate (PFBS) onate (PFHS)							
	Perfluorobutanesulfo Perfluorohexanesulfo 2-(N-ethyl-PFOSA) ac	onate (PFBS) onate (PFHS) etic acid							
	Perfluorobutanesulfor Perfluorohexanesulfor 2-(N-ethyl-PFOSA) ac 2-(N-methyl-PFOSA)	onate (PFBS) onate (PFHS) etic acid	NA.					0	
	Perfluorobutanesulf Perfluorohexanesulf 2-(N-ethyl-PFOSA) ac 2-(N-methyl-PFOSA) Acenaphthene	onate (PFBS) onate (PFHS) etic acid	NA NA					0	
	Perfluorobutanesulf Perfluorohexanesulf 2-(N-ethyl-PFOSA) ac 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile	onate (PFBS) onate (PFHS) etic acid	NA					0	
	Perfluorobutanesulfi Perfluorohexanesulfi 2-(N-ethyl-PFOSA) ac 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene	onate (PFBS) onate (PFHS) cetic acid acetic acid	NA NA					0	
	Perfluorobutanesulf Perfluorohexanesulf 2-(N-ethyl-PFOSA) ac 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile	onate (PFBS) onate (PFHS) cetic acid acetic acid	NA					0 0 0	
	Perfluorobutanesulfi Perfluorohexanesulfi 2-(N-ethyl-PFOSA) ac 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene	onate (PFBS) onate (PFHS) cetic acid acetic acid	NA NA					0	
	Perfluorobutanesulfi Perfluorohexanesulfi 2-(N-ethyl-PFOSA) ac 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene Carbon tetrachloride	onate (PFBS) onate (PFHS) cetic acid acetic acid	NA NA NA					0 0 0	
	Perfluorobutanesulfi Perfluorohexanesulfi 2-(N-ethyl-PFOSA) ac 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenze	onate (PFBS) onate (PFHS) cetic acid acetic acid	NA NA NA NA					0 0 0	
	Perfluorobutanesulfi Perfluorohexanesulfi 2-(N-ethyl-PFOSA) ac 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene	onate (PFBS) onate (PFHS) cetic acid acetic acid	NA NA NA NA NA					0 0 0 0 0	
	Perfluorobutanesulfi Perfluorohexanesulfi 2-(N-ethyl-PFOSA) ac 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene 1,2-dichloroethane	onate (PFBS) conate (PFHS) setic acid acetic acid	NA NA NA NA NA NA				-	0 0 0 0 0 0	
	Perfluorobutanesulfi Perfluorohexanesulfi 2-(N-ethyl-PFOSA) ac 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene 1,2,4-trichlorobenzene 1,2,4-trichlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane	onate (PFBS) conate (PFHS) setic acid acetic acid	NA NA NA NA NA NA					0 0 0 0 0 0 0	
	Perfluorobutanesulfi Perfluorohexanesulfi 2-(N-ethyl-PFOSA) ac 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane	onate (PFBS) conate (PFHS) setic acid acetic acid	NA					0 0 0 0 0 0 0 0	
	Perfluorobutanesulfi Perfluorohexanesulfi 2-(N-ethyl-PFOSA) ac 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenze Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-dichloroethane 1,1-dichloroethane	onate (PFBS) conate (PFHS) cetic acid acetic acid	NA					0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfi Perfluorohexanesulfi 2-(N-ethyl-PFOSA) ac 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane	onate (PFBS) conate (PFHS) cetic acid acetic acid	NA					0 0 0 0 0 0 0 0	
	Perfluorobutanesulfi Perfluorohexanesulfi 2-(N-ethyl-PFOSA) ac 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenze Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-dichloroethane 1,1-dichloroethane	onate (PFBS) conate (PFHS) cetic acid acetic acid	NA					0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfi Perfluorohexanesulfi 2-(N-ethyl-PFOSA) ac 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenze Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane	onate (PFBS) conate (PFHS) cetic acid acetic acid	NA N					0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfi Perfluorohexanesulfi 2-(N-ethyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac Acraphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,1-dichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane Chloroethane Chloroethane Chloroform	onate (PFBS) onate (PFHS) setic acid acetic acid	NA N					0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfi Perfluorohexanesulfi 2-(N-ethyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,12-trichloroethane 1,12-trichloroethane Chloroethane Chloroform 1,2-dichlorobenzene	onate (PFBS) onate (PFHS) setic acid acetic acid	NA N					0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfi Perfluorohexanesulfi 2-(N-ethyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene	onate (PFBS) conate (PFHS) setic acid acetic acid acetic acid	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfi Perfluorohexanesulfi 2-(N-ethyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene	onate (PFBS) conate (PFHS) setic acid acetic acid	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfi Perfluorohexanesulfi 2-(N-ethyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac acnaphthene Acrylonitrile Benzene 1,2-d-trichlorobenzene 1,2-4-trichlorobenzene 1,2-dichloroethane 1,1-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,1-dichlorobenzene	onate (PFBS) conate (PFHS) cetic acid acetic acid nee	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfi Perfluorohexanesulfi 2-(N-ethyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac acnaphthene Acrylonitrile Benzene 1,2-d-trichlorobenzene 1,2-4-trichlorobenzene 1,2-4-trichlorobenzene 1,1-1-trichloroethane 1,1-1-trichloroethane 1,1-1-dichloroethane 1,1-2-trichloroethane 1,1-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene 1,2-trans-dichloroethylene 1,2-trans-dichloroethylene 1,2-trans-dichloroethylene	onate (PFBS) conate (PFHS) cetic acid acetic acid ne e (1,1-dichloroethene) nylene (trans-1,2-dichloroethene)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfi Perfluorohexanesulfi 2-(N-ethyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac acenaphthene Acrylonitrile Benzene 1,2-dirblorobenzene 1,2-4-trichlorobenzene 1,2-4-trichlorobenzene 1,1-1-trichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene 1,2-trans-dichloroethylene 1,2-dichloropropane	onate (PFBS) conate (PFHS) cetic acid acetic acid ne (1,1-dichloroethene) nylene (trans-1,2-dichloroethene)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfi Perfluorohexanesulfi 2-(N-ethyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac acenaphthene Acrylonitrile Benzene 1,2-dirblorobenzene 1,2-4-trichlorobenzene 1,2-4-trichlorobenzene 1,1-1-trichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene 1,2-trans-dichloroethylene 1,2-dichloropropane	onate (PFBS) conate (PFHS) cetic acid acetic acid ne e (1,1-dichloroethene) nylene (trans-1,2-dichloroethene)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfi Perfluorohexanesulfi 2-(N-ethyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac acenaphthene Acrylonitrile Benzene 1,2-dirblorobenzene 1,2-4-trichlorobenzene 1,2-4-trichlorobenzene 1,1-1-trichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene 1,2-trans-dichloroethylene 1,2-dichloropropane	onate (PFBS) conate (PFHS) cetic acid acetic acid ne (1,1-dichloroethene) nylene (trans-1,2-dichloroethene)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfi Perfluorohexanesulfi 2-(N-ethyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac Acraphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichloroethylene 1,2-trans-dichloroethylene 1,2-trans-dichloroethylene 1,2-dichloropropane 1,3-dichloropropane 1,3-dichloropropyler	onate (PFBS) conate (PFHS) cetic acid acetic acid ne (1,1-dichloroethene) nylene (trans-1,2-dichloroethene)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfi Perfluorohexanesulfi 2-(N-ethyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,1-dichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,2-dichloroethylene 1,2-dichloroppane 1,3-dichloroppane 1,3-dichloroppopane 1,3-dichloropropyler 2,4-dimethylphenol	onate (PFBS) conate (PFHS) cetic acid acetic acid ne (1,1-dichloroethene) nylene (trans-1,2-dichloroethene)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfi Perfluorohexanesulfi 2-(N-ethyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac acnaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene 1,2-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,2-trichloroethane 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene 1,2-trans-dichloroeth 1,2-dichloropopane 1,3-dichloropopane	onate (PFBS) conate (PFHS) cetic acid acetic acet	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfi Perfluorohexanesulfi 2-(N-ethyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(onate (PFBS) conate (PFHS) cetic acid acetic ac	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfi Perfluorohexanesulfi 2-(N-ethyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(onate (PFBS) conate (PFHS) cetic acid acetic	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfi Perfluorohexanesulfi 2-(N-ethyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(onate (PFBS) conate (PFHS) cetic acid acetic	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfi Perfluorohexanesulfi 2-(N-ethyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac acnaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene 1,2-trans-dichloroethylene 1,2-dichloropropane 1,3-dichloropropyler 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Methyl chloride (Chl Hexachlorobutadien) Naphthalene	onate (PFBS) conate (PFHS) cetic acid acetic	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfi Perfluorohexanesulfi 2-(N-ethyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(onate (PFBS) conate (PFHS) cetic acid acetic	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfi Perfluorohexanesulfi 2-(N-ethyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac acnaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene 1,2-trans-dichloroethylene 1,2-dichloropropane 1,3-dichloropropyler 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Methyl chloride (Chl Hexachlorobutadien) Naphthalene	onate (PFBS) conate (PFHS) cetic acid acetic	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfi Perfluorohexanesulfi 2-(N-ethyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1-dichloroethane 1,1-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,2-trans-dichloroethylene 1,2-trans-dichloroethylene 1,2-trans-dichloroethylene 1,2-dichloropenpane 1,3-dichloropenpane 1,3-dichlo	onate (PFBS) conate (PFHS) cetic acid acetic	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfi Perfluorohexanesulfi 2-(N-ethyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,2-trans-dichloroethylene 1,2-trans-dichloroethylene 1,2-dichloropropane 1,3-dichloropropane 1,3-dichloropropane 1,3-dichlorobenzene Fluoranthene Methylene chloride (Chl Hexachlorobutadiene Naphthalene Nitrobenzene 2-nitrophenol 4-nitrophenol	onate (PFBS) conate (PFHS) cetic acid acetic	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfi Perfluorohexanesulfi 2-(N-ethyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac acraphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,2-trichloroethane 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,2-dichlorobenzene 1,2-dichloropenyler 1,2-dichloropropyler 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Methyl chloride (Chlehexachlorobutadiene Nitrobenzene 2-nitrophenol 4-nitrophenol 2,4-dinitrophenol 2,4-dinitrophenol	onate (PFBS) conate (PFHS) cetic acid acetic ace	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfi Perfluorohexanesulfi 2-(N-ethyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac across ac across ac across ac across ac across ac benzene 1,2-drichlorobenzene 1,2-drichloroethane 1,1-drichloroethane 1,1-drichloroethane 1,2-trichloroethane 1,2-drichloroethane 1,2-drichlorobenzene 1,3-dichlorobenzene 1,1-dichlorobenzene 1,2-drichloroethylene 1,2-drichloropenzene 1,2-drichloropenpel 1,2-drichloroppyler 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Methyl chloride (Chli Hexachlorobutadien Naphthalene Nitrobenzene 2-nitrophenol 4-nitrophenol 2,4-dinitrop-o-cresol (4-dinitro-o-cresol (4-dini	onate (PFBS) conate (PFHS) cetic acid acetic	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfi Perfluorohexanesulfi 2-(N-ethyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac acomplete ac Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichloroethane 1,2-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,2-trichloroethane 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,2-dichloropenpene 1,2-dichloropenpene 1,2-dichloropenpene 1,2-dichloroproppier 2,4-dimethylphenol Ethylbenzene Fluoranthene Methyl chloride (Chl Hexachlorobutadien Naphthalene Nitrobenzene 2-nitrophenol 4-nitrophenol 4,6-dinitro-o-cresol (Phenol	onate (PFBS) onate (PFHS) petic acid acetic ac	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorobutanesulfi Perfluorohexanesulfi 2-(N-ethyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac 2-(N-methyl-PFOSA) ac across ac across ac across ac across ac across ac benzene 1,2-drichlorobenzene 1,2-drichloroethane 1,1-drichloroethane 1,1-drichloroethane 1,2-trichloroethane 1,2-drichloroethane 1,2-drichlorobenzene 1,3-dichlorobenzene 1,1-dichlorobenzene 1,2-drichloroethylene 1,2-drichloropenzene 1,2-drichloropenpel 1,2-drichloroppyler 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Methyl chloride (Chli Hexachlorobutadien Naphthalene Nitrobenzene 2-nitrophenol 4-nitrophenol 2,4-dinitrop-o-cresol (4-dinitro-o-cresol (4-dini	onate (PFBS) onate (PFHS) petic acid acetic ac	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	

			Max	Values	Avg V			
	Pollutant	Believed Present	Initial Grab	Flow- Weighted Composite	Initial Grab	Flow- Weighted Composite	No. Storm Events Sampled	Units
	Diethyl Phthalate	NA		4			0	
	Dimethyl phthalate	NA			No.		0	
	Benzo(a) anthracene	NA					0	1000
	Benzo(a) pyrene	NA	-	727		ec .	0	
14	Benzo(b) fluoranthene (3,4-Benzofluoranthene)	NA		134.3			0	
	Benzo(k) fluoranthene	NA					0	
	Chrysene	NA					0	
	Acenaphthylene	NA					0	
	Anthracene	NA					0	
	Fluorene	NA	4000	U-WHIRE		The second	0	
	Phenanthrene	NA				The second second	0	
	Pyrene	NA				ar all days	0	
	Tetrachloroethylene (Tetrachlorethene)	NA		V	24 /		0	
	Toluene	NA	0		0		12	ug/L
	Trichloroethylene (Trichlorethene)	NA				-1-1	0	
	Vinyl chloride	NA					0	
	Cyanide, Total	NA	-6				0	
						The National States		
t C	Pollutants known or believed to be present (and listed in 1	Tables 2F-2, 2F-3,	and 2F-4)					
	Table 2F-2		N. T.				0	447
	Bromide						0	F.,
	Chlorine, Total Residual						0	
	Color						0	-Z I
	Fecal Coliform					PATE OF THE	0	
	Fluoride	X					0	
	Nitrate-Nitrite						0	
	Nitrogen, Total Organic						0	
	Oil and Grease	X					0	
	Phosphorus, Total	X					0	
	Radioactivity						0	
	Sulfate	X			May a la	All Carlo	0	
	Sulfite	X					0	
	Surfactants	X					0	
	Aluminum, Total						0	
	Barium, Total	Х					0	
	Boron, Total				T. Y. S. 7-		0	
	Cobalt Total	Х					0	
	Iron, Total	Х		1 1 0 0			0	1
	Magnesium, Total		442				0	
	Molybdenum, Total	Х					0	
	Manganese, Total	X			7-11		0	
	Tin, Total	X					0	
	Titanium, Total						0	
	Table 2F-3	1 10000				AW IT K		
	Antimony, Total	X					0	
	Arsenic, Total						0	
	Beryllium, Total						0	
	Cadmium, Total						0	
	Chromium, Total	1211					0	
	Copper, Total	X					0	
	Lead, Total	X				11	0	
	Mercury, Total	X				(max = 10.70	0	
	Nickel, Total						0	
	Selenium, Total						0	
	Silver, Total	5 6					0	
	Thallium, Total						0	
	Zinc, Total	X					0	
	Cyanide, Total						0	
	Phenols, Total	X	1100				0	h- 113
	Acrolein						0	
	Acrylonitrile						0	
	Benzene						0	
	Bromoform						0	
	Carbon Tetrachloride						0	
	Chlorobenzene						0	
	Chlorodibromomethane						0	
	Chloroethane		1				0	
	2-Chloroethylvinyl Ether		ľ				0	

All Sales			Max \	Values	Avg \	/alues		
	Pollutant	Believed Present	Initial Grab	Flow- Weighted Composite	Initial Grab	Flow- Weighted Composite	No. Storm Events Sampled	Units
Chloroform				on in Earl		1-2/-1	0	
Dichlorobromomet	thane						0	
1,1-Dichloroethane							0	
1,2-Dichloroethane		X					0	
1,1-Dichloroethyler							0	
1,2-Dichloropropar							0	
1,3-Dichloropropyle							0	
Ethylbenzene		x					0	
Methyl Bromide							0	
Methyl Chloride							0	
Methylene Chloride							0	
1,1,2,2,-Tetrachlord							0	
The state of the s	The state of the s						0	
Tetrachloroethylen		x					0	
Toluene							0	
1,2-Trans-Dichloroe							0	
1,1,1-Trichloroetha							0	
1,1,2-Trichloroetha	ine						0	
Trichloroethylene								
Vinyl Chloride		+ In the second					0	
2-Chlorophenol			100				0	
2,4-Dichlorophenol	CONTRACTOR OF THE PROPERTY OF				I	l	0	
2,4-Dimethylpheno							0	
4,6-Dinitro-O-Creso	ol						0	
2,4-Dinitrophenol							0	
2-Nitrophenol							0	
4-Nitrophenol							0	
p-Chloro-M-Cresol							0	The second
Pentachlorophenol							0	
Phenol		X					0	
2,4,6-Trichloropher	nol						0	
2-methyl-4,6 dinitr							0	
Acenaphthene							0	
Acenaphthylene							0	
Anthracene							0	
Benzidine							0	
Benzo(a)anthracen	e						0	
Benzo(a)pyrene							0	
3,4-Benzofluoranth	nene		100				0	
Benzo(ghi)perylene							0	
Benzo(k)fluoranthe							0	
Bis(2-chloroethoxy						1	0	7/1/2-1-1
Bis(2-chloroethyl)e	2						0	
Bis(2-chloroisoprop							0	
							0	
Bis(2-ethylyhexyl)p							0	
4-Bromophenyl Ph							0	
Butylbenzyl Phthal							0	
2-Chloronaphthale							0	
4-Chlorophenyl Ph	enyi Etner	L	1	I	1		0	
Chrysene						The same of	0	
Dibenzo(a,h)anthra		1		I			The state of the s	
1,2-Dichlorobenzer							0	
1,3-Dichlorobenzer							0	
1,4-Dichlorobenzer			Pir L				0	
3,3'-Dichlorobenzio	dine			l .			0	
Diethyl Phthalate							0	
Dimethyl Phthalate		X					0	
Di-N-Butyl Phthala							0	
2,4-Dinitrotoluene							0	66.5
2,6-Dinitrotoluene							0	
Di-N-Octyphthalate							0	
	zine (as Azobenzene)						0	1 74 14
Fluroranthene	Name of the last o						0	
Fluorene							0	
			N				0	
Heyachlarahanaan	9						0	
Hexachlorobenzen	ina							
Hexachlorobutadie								
			143/45				0	

			IVIGX	Values	Avg V		N- 5	
	Pollutant	Believed		Flow- Weighted		Flow- Weighted	No. Storm Events	
	A CONTRACTOR OF THE PARTY OF TH	Present	Initial Grab	Composite	Initial Grab	Composite	Sampled	Unit
	Napthalene						0	
	Nitrobenzene						0	
	N-Nitrosodimethylamine						0	
	N-Nitrosodi-N-Propylamine						0	1-4
	N-Nitrosodiphenylamine			100		1 1 1 0 m	0	1076
	Phenanthrene		10.00				0	
	Pyrene						0	
	1,2,4-Trichlorobenzene						0	
	Aldrin						0	
	Alpha-BHC						0	
	Beta-BHC						0	
	Gamma-BHC			175			0	
	Delta-BHC				74.3.1		0	4 15
	Chlordane						0	
	4,4'-DDT						0	
-	4.41.005							-
	4,4'-DDE				TO LET COMPANY		0	
	4,4'-DDD				1 5 1 11		0	1110000
	Dieldrin				Many and		0	
	Alpha-Endosulfan						0	
	Beta-Endosulfan				1000000		0	
-	Endosulfan Sulfate				Top IV		0	
	Endrin					-	0	1
							1000	
	Endrin Aldehyde						0	
2	Heptachlor			1000			0	150
	Heptachlor Epoxide						0	
	PCB-1242					STATE OF THE STATE	0	
	PCB-1254				A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		0	
	PCB-1221						0	
_								
_	PCB-1232						0	
	PCB-1248						0	
	PCB-1260						0	
	PCB-1016						0	
	Toxaphene				APPLICATION		0	
Ta	able 2F-4					7-1		
- 1.0	Asbestos						0	
_		X					0	
-	Acetaldehyde	X						
	Allyl alcohol						0	
	Allyl chloride						0	
	Amyl acetate						0	
	Aniline				The Arthur		0	
	Benzonitrile				TAU VOICE		0	
_	Benzyl chloride	X					0	
_							0	
	Butyl acetate				1			
	Butylamine						0	
	Carbaryl					Je - 19	0	
	Carbofuran						0	
	Carbon disulfide						0	
	Chlorpyrifos						0	
	Coumaphos						0	
-	Cresol						0	
-								
-	Crotonaldehyde						0	
	Cyclohexane	X				BALL TO A	0	
	2,4-D (2,4-Dichlorophenoxyacetic acid)						0	
	Diazinon						0	
	Dicamba		The same of	1 1			0	- , -
	Dichlobenil		10000				0	
	Dichlone						0	
	2,2-Dichloropropionic acid			7. II. S. T.	LL IAS.		0	
	Dichlorvos						0	
	Diethyl amine					-4	0	
	Dimethyl amine	7-77					0	VI
-	Dinitrobenzene			-			0	
-								
	Diquat						0	
	Disulfoton			Land of the second			0	
	Diuron	THE PERSON		The second			0	
	Epichlorohydrin					ran I	0	
	Ethion			- 111111			0	
	LUINI						0	100

			Max \	Values	Avg V	/alues		
Pollu	tant	Believed Present	Initial Grab	Flow- Weighted Composite	Initial Grab	Flow- Weighted Composite	No. Storm Events Sampled	Unit
Ethylene dibromide							0	
Formaldehyde		X					0	
Furfural			9 3 2 6 8				0	
Guthion							0	
Isoprene							0	
Isopropanolamine							0	
Kelthane							0	
Kepone			7.00				0	
Malathion							0	
Mercaptodimethur					1		0	
Methoxychlor		P. C. B. D. D.					0	
Methyl mercaptan							0	
Methyl methacrylate		X					0	
Methyl parathion							0	
Mevinphos							0	
Mexacarbate							0	
Monoethyl amine			-				0	
Monomethyl amine		X	7				0	
Naled					Ш		0	
Napthenic acid			100			PIGLET	0	
Nitrotoluene							0	
Parathion							0	
Phenolsulfonate		Х					0	
Phosgene		х					0	
Propargite							0	
Propylene oxide							0	
Pyrethrins							0	
Quinoline							0	
Resorcinol							0	
Stronthium							0	
Strychnine							0	
Styrene		X					0	
2,4,5-T (2,4,5-Trichlorophe	enoxyacetic acid)						0	0
TDE (Tetrachlorodiphenyl	ethane)						0	
	ophenoxy) propanoic acid]						0	
Trichlorofan							0	TUT
Triethylamine		Х					0	
Trimethylamine							0	
Uranium							0	
Vanadium							0	
Vinyl acetate		Х					0	
Xylene		X					0	
Xylenol						1. PA - D	0	TO N
Zirconium							0	

			IVIAX	Values	Avg V		No Charm	
	Pollutant	Believed Present	Initial Grab	Flow- Weighted Composite	Initial Grab	Flow- Weighted Composite	No. Storm Events Sampled	Units
rt A	Required Parameters							
	O&G	NA	0		0		12	mg/L
-10	BOD5	NA	DES. F. C.				0	mg/l
	COD	NA	444		59.0		14	mg/l
	TSS	NA	597		71.2		14	mg/
	Total Nitrogen	NA					0	mg/
	Total Phosphorus	NA					0	mg/
	pH	NA	7.6		7.1		14	SU
rt B	Pollutants included in facility effluent guidelines, or listed in NF	DES permit						
	TOC	NA	34.2		13.8		14	mg/
	Ammonia	NA	U.S.				0	
	TKN	NA					0	
	Nitrate-Nitrite	NA					0	
	Fluoride	NA	September 1				0	10
	E.coli	NA	11.				0	
	Chromium, Total	NA					0	
- 54	Copper, Total	NA					0	
	Lead, Total	NA	1944				0	11-9
	Nickel, Total	NA					0	
	Zinc, Total	NA					0	
	Perfluoroctanoic Acid (PFOA)							
17.71	Perfluorobutanoic Acid (PFBA)							
50	Perfluorobutanesulfonamide (PFBSA)							
	Perfluorooctanesulfonamide (PFOSA)							
	Perfluorooctanesulfonate (PFOS)							
	Perfluorohexanoic Acid (PFHxA)	I - PRIB		Se	e Attachment	2C-4		
	Perfluoroheptanoic Acid (PFHpA)							
	The state of the s	_						
	Perfluorobutanesulfonate (PFBS)							
	Perfluorobutanesulfonate (PFBS) Perfluorohexanesulfonate (PFHS)	-						
	Perfluorohexanesulfonate (PFHS)							
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid							
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid	NA NA					0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene	NA NA					0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile	NA					0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene	NA NA					0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride	NA NA NA					0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene	NA NA NA					0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene	NA NA NA NA					0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene	NA NA NA NA NA					0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane	NA NA NA NA NA NA					0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane	NA NA NA NA NA NA					0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane Hexachloroethane Hexachloroethane	NA					0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Arylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane Hexachloroethane 1,1-dichloroethane 1,1-dichloroethane	NA					0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1,1-dichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane	NA N					0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane Hexachloroethane 1,1,1-dichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane Chloroethane Chloroethane	NA N					0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane Chloroethane Chlorothane Chlorothane Chloroform	NA N					0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1-dichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane Chloroethane Chloroform 1,2-dichlorobenzene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1-dichloroethane 1,1,1-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2-4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,4-dichloroethylene (1,1-dichloroethene)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachlorobentene 1,1-dichloroethane 1,1-dichloroethene 1,2-dichlorobenzene 1,4-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane Chloroform 1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropopane 1,3-dichloropopane 1,3-dichloropopane 1,3-dichloropopylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,2-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropopane 1,3-dichloropopalene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropopane 1,3-dichloropopylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,3-dichlorobenzene 1,3-dichlorobenzene 1,4-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropopane 1,3-dichloropopylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropopane 1,3-dichloropopylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,3-dichlorobenzene 1,3-dichlorobenzene 1,4-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropopane 1,3-dichloropopylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1-dichloroethane 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane) Methyl chloride (Chloromethane)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2-4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1-1-trichloroethane Hexachloroethane 1,1-trichloroethane 1,1-dichloroethane 1,1-2-trichloroethane 1,1-2-trichloroethane 1,1-2-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane 1,3-dichloropropane 1,3-dichloropropane 1,3-dichloropropane 1,3-dichloropropane 1,3-dichloropropane 1,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane) Methyl chloride (Chloromethane) Methyl chloride (Chloromethane) Hexachlorobutadiene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,3-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropropane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methyl chloride (Chloromethane) Methyl chloride (Chloromethane) Hexachlorobutadiene Naphthalene Nitrobenzene	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1-dichloroethane 1,1-dichloroethane Chloroethane Chloroform 1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropopane 1,3-dichloropopane 1,3-d	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane 1,1-dichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane Chloroform 1,2-dichlorobenzene 1,3-dichlorobenzene 1,1-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropopane 1,3-dichloropopane 1,3-dichloro	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropopane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane) Methyl chloride (Chloromethane) Methyl chloride (Chloromethane) Naphthalene Nitrobenzene 2-nitrophenol 4-nitrophenol 2,4-dinitrophenol	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,1-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropopane 1,3-dichloropropalene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methyl chloride (Dichloromethane) Methyl chloride (Chloromethane) Naphthalene Nitrobenzene 2-nitrophenol 4-nitrophenol 2,4-dinitrophenol 2,4-dinitrophenol 4,6-dinitro-o-cresol (2-Methyl-4,6-dinitrophenol)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Perfluorohexanesulfonate (PFHS) 2-(N-ethyl-PFOSA) acetic acid 2-(N-methyl-PFOSA) acetic acid Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethylene (1,1-dichloroethene) 1,2-trans-dichloroethylene (trans-1,2-dichloroethene) 1,2-dichloropopane 1,3-dichloropropylene (cis- and trans-1,3-dichloropropene) 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride (Dichloromethane) Methyl chloride (Chloromethane) Methyl chloride (Chloromethane) Naphthalene Nitrobenzene 2-nitrophenol 4-nitrophenol 2,4-dinitrophenol	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	

			iviax	Values	Avg V	alues	No. Co.	
	Pollutant	Believed		Flow- Weighted		Flow- Weighted	No. Storm Events	11.24
_	Diethyl Phthalate	Present	Initial Grab	Composite	Initial Grab	Composite	Sampled 0	Units
	Dimethyl phthalate	NA NA			200		0	
	Benzo(a) anthracene	NA NA					0	
	Benzo(a) pyrene	NA NA				the state of the s	0	
_	Benzo(b) fluoranthene (3,4-Benzofluoranthene)	NA NA					0	
	Benzo(k) fluoranthene	NA NA					0	
	Chrysene	NA NA					0	
	Acenaphthylene	NA NA					0	
	Anthracene	NA NA					0	
	Fluorene	NA NA					0	
	Phenanthrene			1 000/			0	
		NA NA						-
	Pyrene (T. t. all and a control of the control of t	NA					0	
	Tetrachloroethylene (Tetrachlorethene)	NA NA					0	
	Toluene	NA	0		0		12	ug/L
	Trichloroethylene (Trichlorethene)	NA		PA 10 13			0	
	Vinyl chloride	NA		No.			0	
	Cyanide, Total	NA					0	
7.79							M. Tarak Made	
t C	Pollutants known or believed to be present (and listed in T	ables 2F-2, 2F-3,	and 2F-4)					
	Table 2F-2						0	111
	Bromide						0	
	Chlorine, Total Residual						0	
	Color				I TOWN SERVICE	# () ()	0	
	Fecal Coliform				10.06		0	
	Fluoride	Х					0	
	Nitrate-Nitrite						0	
	Nitrogen, Total Organic						0	
	Oil and Grease	X					0	
	Phosphorus, Total	X					0	
	Radioactivity						0	
	Sulfate	X					0	N. Land
	Sulfite	Х		1 1 1 1 1 1 1 1 1	per control of		0	
	Surfactants	X					0	
	Aluminum, Total			1000			0	
	Barium, Total	X			Kan Taran		0	
	Boron, Total						0	
	Cobalt Total	X					0	
	Iron, Total	X					0	
	Magnesium, Total					1 -	0	
	Molybdenum, Total	X	7-				0	
	Manganese, Total	X	1				0	
	Tin, Total	X					0	
	Titanium, Total						0	
	Table 2F-3				TRANSPORTER		-	
	Antimony, Total	X	100				0	
	Arsenic, Total	^			TO THE REAL PROPERTY.	13-35	0	
	Beryllium, Total	36 7					0	
	Cadmium, Total		THE RESERVE	10 10 7			0	
	Chromium, Total	The state of the s			3 1		0	
	Copper, Total	×					0	
	Lead, Total	x					0	
	Mercury, Total	X					0	
	Nickel, Total	, A					0	
							(
	Selenium, Total				2 - 24		0	17.
	Silver, Total	0 1 1			The state of the s		0	
	Thallium, Total						0	
	Zinc, Total	х					0	
	Cyanide, Total						0	
	Phenols, Total	X	He Barri				0	
	Acrolein						0	
	Acrylonitrile						0	
	Benzene						0	
	Bromoform						0	
	Carbon Tetrachloride						0	
	Chlorobenzene						0	
	Chlorodibromomethane				Piece		0	
	Chloroethane						0	
	2-Chloroethylvinyl Ether					W-11 - W-11 - W-11	0	

			Max	Values	Avg \	/alues		
	Pollutant	Believed Present	Initial Grab	Flow- Weighted Composite	Initial Grab	Flow- Weighted Composite	No. Storm Events Sampled	Unit
Chloroform		Fresent	Illitial Glab	Composite	micial Grab	Composite	0	O.III.
Dichlorobromomet	thana						0	
The second secon	and the second s						0	
1,1-Dichloroethane		v					0	
1,2-Dichloroethane		X					0	
1,1-Dichloroethyler								
1,2-Dichloropropar							0	
1,3-Dichloropropyl	ene						0	
Ethylbenzene		X					0	
Methyl Bromide							0	
Methyl Chloride							0	
Methylene Chloride	e						0	
1,1,2,2,-Tetrachloro	AND THE RESIDENCE OF THE PARTY						0	
Tetrachloroethylen			1000000				0	
Toluene		x					0	
		· · · · · · · · · · · · · · · · · · ·					0	
1,2-Trans-Dichloro							0	
1,1,1-Trichloroetha								
1,1,2-Trichloroetha	ine						0	
Trichloroethylene							0	
Vinyl Chloride							0	
2-Chlorophenol				100			0	
2,4-Dichloropheno	1		TAILS DO				0	N. R. F
2,4-Dimethylpheno							0	
4,6-Dinitro-O-Creso							0	
							0	
2,4-Dinitrophenol							0	
2-Nitrophenol								
4-Nitrophenol				, mill			0	
p-Chloro-M-Cresol							0	
Pentachlorophenol							0	
Phenol		X					0	
2,4,6-Trichloropher	nol						0	
2-methyl-4,6 dinitr							0	
	ophenol						0	
Acenaphthene							0	
Acenaphthylene							0	
Anthracene					-			
Benzidine							0	
Benzo(a)anthracen	ie						0	
Benzo(a)pyrene							0	
3,4-Benzofluoranth	nene						0	
Benzo(ghi)perylene	e							
							0	
Benzo(k)fluoranthe	ane and						0	
Benzo(k)fluoranthe						21/1/24	0	
Bis(2-chloroethoxy	y)methane						0	
Bis(2-chloroethoxy Bis(2-chloroethyl)e	r)methane ether						0 0 0	
Bis(2-chloroethoxy Bis(2-chloroethyl)e Bis(2-chloroisoprop	r)methane ether pyl)ether						0 0 0	
Bis(2-chloroethoxy Bis(2-chloroethyl)e Bis(2-chloroisoprop Bis(2-ethylyhexyl)p	v)methane ether pyl)ether ohthalate						0 0 0 0	
Bis(2-chloroethoxy Bis(2-chloroethyl)e Bis(2-chloroisoprop	v)methane ether pyl)ether ohthalate						0 0 0 0 0	
Bis(2-chloroethoxy Bis(2-chloroethyl)e Bis(2-chloroisoprop Bis(2-ethylyhexyl)p	r)methane ether pyl)ether ohthalate eenyl Ether						0 0 0 0 0	
Bis(2-chloroethoxy Bis(2-chloroethyl)e Bis(2-chloroisoprophis)e Bis(2-ethylyhexyl)p 4-Bromophenyl Ph Butylbenzyl Phthal	r)methane ether pyl)ether ohthalate nenyl Ether late						0 0 0 0 0	
Bis(2-chloroethoxy Bis(2-chloroethyl)e Bis(2-chloroisoprophis)e Bis(2-ethylyhexyl)p 4-Bromophenyl Ph Butylbenzyl Phthal 2-Chloronaphthale	r)methane ether pyl)ether ohthalate nenyl Ether late						0 0 0 0 0	
Bis(2-chloroethoxy Bis(2-chloroethyl)e Bis(2-chloroisoprophis)e Bis(2-ethylyhexyl)p 4-Bromophenyl Ph Butylbenzyl Phthal 2-Chloronaphthale 4-Chlorophenyl Ph	r)methane ether pyl)ether ohthalate nenyl Ether late						0 0 0 0 0 0 0	
Bis(2-chloroethoxy Bis(2-chloroethyl)e Bis(2-chloroisoprop Bis(2-ethylyhexyl)p 4-Bromophenyl Ph Butylbenzyl Phthal 2-chloronaphthale 4-chlorophenyl Ph Chrysene	y)methane ether pyl)ether phthalate eneryl Ether late eneryl Ether late						0 0 0 0 0 0 0 0 0	
Bis(2-chloroethoxy Bis(2-chloroethyl)e Bis(2-chloroisoprophis)e Bis(2-ethylyhexyl)p 4-Bromophenyl Ph Butylbenzyl Phthal 2-Chloronaphthale 4-Chlorophenyl Ph Chrysene Dibenzo(a,h)anthra	y)methane ether pyl)ether ohthalate ether lether late ether lether lether lether lether						0 0 0 0 0 0 0 0 0 0	
Bis(2-chloroethoxy Bis(2-chloroethyl)e Bis(2-chloroisoprophis)e Bis(2-ethylyhexyl)p 4-Bromophenyl Ph Butylbenzyl Phthal 2-Chloronaphthale 4-chlorophenyl Ph Chrysene Dibenzo(a,h)anthra 1,2-Dichlorobenzer	y)methane ether pyl)ether ohthalate ennyl Ether late ennyl Ether lenenyl Ether ennyl Ether						0 0 0 0 0 0 0 0 0 0 0	
Bis(2-chloroethoxy Bis(2-chloroethyl)e Bis(2-chloroisoprop Bis(2-ethylyhexyl)p 4-Bromophenyl Ph Butylbenzyl Phthal 2-Chloronaphthale 4-Chlorophenyl Ph Chrysene Dibenzo(a,h)anthra 1,2-Dichlorobenzer 1,3-Dichlorobenzer	ether pyl)ether phthalate lenyl Ether ate enel enel enel enel acene enel acene						0 0 0 0 0 0 0 0 0 0 0 0	
Bis(2-chloroethoxy Bis(2-chloroethyl)e Bis(2-chloroisoprophis)e Bis(2-ethylyhexyl)p 4-Bromophenyl Ph Butylbenzyl Phthal 2-Chloronaphthale 4-chlorophenyl Ph Chrysene Dibenzo(a,h)anthra 1,2-Dichlorobenzer	ether pyl)ether phthalate lenyl Ether ate enel enel enel enel acene enel acene						0 0 0 0 0 0 0 0 0 0 0 0 0	
Bis(2-chloroethoxy Bis(2-chloroethyl)e Bis(2-chloroisoprop Bis(2-ethylyhexyl)p 4-Bromophenyl Ph Butylbenzyl Phthal 2-Chloronaphthale 4-Chlorophenyl Ph Chrysene Dibenzo(a,h)anthra 1,2-Dichlorobenzer 1,3-Dichlorobenzer	ether pyl)ether phthalate lenyl Ether late ene lenel lenyl Ether acene ne ne ne						0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Bis(2-chloroethoxy Bis(2-chloroethyl)e Bis(2-chloroisoprop Bis(2-ethylyhexyl)p 4-Bromophenyl Ph Butylbenzyl Phthal. 2-Chloronaphthale 4-Chlorophenyl Ph Chrysene Dibenzo(a,h)anthra 1,2-Dichlorobenzer 1,3-Dichlorobenzer 3,3'-Dichlorobenzer 3,3'-Dichlorobenzer	ether pyl)ether phthalate lenyl Ether late ene lenel lenyl Ether acene ne ne ne						0 0 0 0 0 0 0 0 0 0 0 0 0	
Bis(2-chloroethoxy Bis(2-chloroethyl)e Bis(2-chloroisoprop Bis(2-ethylyhexyl)p 4-Bromophenyl Ph Butylbenzyl Phthal. 2-Chloronaphthale 4-Chlorophenyl Ph Chrysene Dibenzo(a,h)anthra 1,2-Dichlorobenzet 1,3-Dichlorobenzet 1,4-Dichlorobenzet 3,3'-Dichlorobenzet Diethyl Phthalate	ether pyl)ether phthalate lenyl Ether late lenel	Y					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Bis(2-chloroethoxy Bis(2-chloroethyl)e Bis(2-chloroisoprop Bis(2-ethylyhexyl)p 4-Bromophenyl Ph Butylbenzyl Phthal 2-Chloronaphthale 4-Chloronaphthale 4-Chlorophenyl Ph Chrysene Dibenzo(a,h)anthra 1,2-Dichlorobenzer 1,3-Dichlorobenzer 1,4-Dichlorobenzer 3,3'-Dichlorobenzer Diethyl Phthalate Dimethyl Phthalate	y)methane ether pyl)ether pyl)ether phthalate eneryl Ether late eneryl Ether acene eneryl Ether acene ne ne dine	X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Bis(2-chloroethoxy Bis(2-chloroethyl)e Bis(2-chloroisoprop Bis(2-ethylyhexyl)p 4-Bromophenyl Ph Butylbenzyl Phthala 2-Chloronaphthale 4-Chlorophenyl Ph Chrysene Dibenzo(a,h)anthra 1,2-Dichlorobenzer 1,3-Dichlorobenzer 1,4-Dichlorobenzer 2,3-Dichlorobenzic Diethyl Phthalate Dimethyl Phthalate Di-N-Butyl Phthalate	y)methane ether pyl)ether pyl)ether phthalate eneryl Ether late eneryl Ether acene eneryl Ether acene dine e	X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Bis(2-chloroethoxy Bis(2-chloroethyl)e Bis(2-chloroethyl)e Bis(2-chloroisoprop Bis(2-ethylyhexyl)p 4-Bromophenyl Ph Butylbenzyl Phthala 2-Chloronaphthale 4-Chlorophenyl Ph Chrysene Dibenzo(a,h)anthra 1,2-Dichlorobenzer 1,3-Dichlorobenzer 1,3-Dichlorobenzer 3,3'-Dichlorobenzier Diethyl Phthalate Dimethyl Phthalate Di-N-Butyl Phthalat 2,4-Dinitrotoluene	y)methane ether pyl)ether pyl)ether phthalate eneryl Ether late eneryl Ether acene ne ne ne dine	X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Bis(2-chloroethoxy Bis(2-chloroethyl)e Bis(2-chloroethyl)e Bis(2-chloroisoprop Bis(2-ethylyhexyl)p 4-Bromophenyl Ph Butylbenzyl Phthal 2-Chloronaphthale 4-Chlorophenyl Ph Chrysene Dibenzo(a,h)anthra 1,2-Dichlorobenzer 1,3-Dichlorobenzer 1,3-Dichlorobenzer 3,3'-Dichlorobenzer Diethyl Phthalate Di-N-Butyl Phthalate Di-N-Butyl Phthalate 2,4-Dinitrotoluene 2,6-Dinitrotoluene	ether pyl)ether pyl)ether phthalate eneryl Ether late eneryl Ether acene ne ne ne dine	X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Bis(2-chloroethoxy Bis(2-chloroethyl)e Bis(2-chloroethyl)e Bis(2-chloroisoprop Bis(2-ethylyhexyl)p 4-Bromophenyl Ph Butylbenzyl Phthala 2-Chloronaphthale 4-Chlorophenyl Ph Chrysene Dibenzo(a,h)anthra 1,2-Dichlorobenzer 1,3-Dichlorobenzer 1,3-Dichlorobenzer 3,3'-Dichlorobenzier Diethyl Phthalate Dimethyl Phthalate Di-N-Butyl Phthalat 2,4-Dinitrotoluene	ether pyl)ether pyl)ether phthalate eneryl Ether late eneryl Ether acene ne ne ne dine	X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Bis(2-chloroethoxy Bis(2-chloroethyl)e Bis(2-chloroethyl)e Bis(2-chloroisoprop Bis(2-ethylyhexyl)p 4-Bromophenyl Ph Butylbenzyl Phthal 2-Chloronaphthale 4-Chlorophenyl Ph Chrysene Dibenzo(a,h)anthra 1,2-Dichlorobenzer 1,3-Dichlorobenzer 1,3-Dichlorobenzer 1,3-Dichlorobenzer 1,4-Dichlorobenzer 1,4-Dichlorobenzer 2,6-Dintrotoluene 2,6-Dinitrotoluene Di-N-Octyphthalate	ether pyl)ether phthalate penyl Ether late enel enel Ether acene ne ne dine e e te	X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Bis(2-chloroethoxy Bis(2-chloroethyl)e Bis(2-chloroethyl)e Bis(2-chloroisoprop Bis(2-ethyl)exyl)p 4-Bromophenyl Ph Butylbenzyl Phthala 2-Chloronaphthale 4-Chlorophenyl Ph Chrysene Dibenzo(a,h)anthra 1,2-Dichlorobenzer 1,3-Dichlorobenzer 1,4-Dichlorobenzer 1,4-Dichlorobenzer 2,3'-Dichlorobenzer Diethyl Phthalate Di-N-Butyl Phthalate 2,4-Dinitrotoluene 2,6-Dinitrotoluene Di-N-Octyphthalate 1,2-Diphenylhydra	ether pyl)ether pyl)ether phthalate eneryl Ether late eneryl Ether acene ne ne ne dine	X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Bis(2-chloroethoxy Bis(2-chloroethyl)e Bis(2-chloroethyl)e Bis(2-chloroisoprop Bis(2-ethylyhexyl)p 4-Bromophenyl Ph Butylbenzyl Phthala 2-Chloronaphthale 4-Chlorophenyl Ph Chrysene Dibenzo(a,h)anthra 1,2-Dichlorobenzer 1,3-Dichlorobenzer 1,4-Dichlorobenzer 1,4-Dichlorobenzer 2,6-Dinitrotoluene 2,6-Dinitrotoluene Di-N-Octyphthalate 1,2-Diphenylhydra Fluroranthene	ether pyl)ether phthalate penyl Ether late enel enel Ether acene ne ne dine e e te	X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Bis(2-chloroethoxy Bis(2-chloroethyl)e Bis(2-chloroethyl)e Bis(2-chloroisoprop Bis(2-ethylyhexyl)p 4-Bromophenyl Ph Butylbenzyl Phthala 2-Chloronaphthale 4-Chlorophenyl Ph Chrysene Dibenzo(a,h)anthra 1,2-Dichlorobenzer 1,3-Dichlorobenzer 1,4-Dichlorobenzer 1,3-Dichlorobenzer 1,4-Dichlorobenzer 1,4-Dichlorobenzer 2,5-Dinitrotoluene 2,6-Dinitrotoluene Di-N-Octyphthalate 1,2-Diphenylhydra Fluroranthene Fluorene	ether pyl)ether phthalate phthalate phthalate penel pe	x					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Bis(2-chloroethoxy Bis(2-chloroethoxy) Bis(2-chloroethyl)e Bis(2-chloroisoprop Bis(2-ethylyhexyl)p 4-Bromophenyl Ph Butylbenzyl Phthala 2-Chloronaphthale 4-Chlorophenyl Ph Chrysene Dibenzo(a,h)anthra 1,2-Dichlorobenzer 1,3-Dichlorobenzer 1,3-Dichlorobenzer 1,3-Dichlorobenzer 1,3-Dichlorobenzer 1,3-Dichlorobenzer 1,4-Dichlorobenzer Diethyl Phthalate Di-N-Butyl Phthalate Di-N-Butyl Phthalate 2,4-Dinitrotoluene 2,6-Dinitrotoluene 1,2-Diphenylhydra: Fluorene Hexachlorobenzene	ether pyl)ether phthalate penyl Ether late penyl Ether late penyl Ether lacene pene pene lacene lace	X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Bis(2-chloroethoxy Bis(2-chloroethyl)e Bis(2-chloroethyl)e Bis(2-chloroisoprop Bis(2-ethylyhexyl)p 4-Bromophenyl Ph Butylbenzyl Phthala 2-Chloronaphthale 4-Chlorophenyl Ph Chrysene Dibenzo(a,h)anthra 1,2-Dichlorobenzer 1,3-Dichlorobenzer 1,4-Dichlorobenzer 1,3-Dichlorobenzer 1,4-Dichlorobenzer 1,4-Dichlorobenzer 2,5-Dinitrotoluene 2,6-Dinitrotoluene Di-N-Octyphthalate 1,2-Diphenylhydra Fluroranthene Fluorene	ether pyl)ether phthalate penyl Ether late penyl Ether late penyl Ether lacene pene pene lacene lace	X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Bis(2-chloroethoxy Bis(2-chloroethoxy) Bis(2-chloroethyl)e Bis(2-chloroisoprop Bis(2-ethylyhexyl)p 4-Bromophenyl Ph Butylbenzyl Phthala 2-Chloronaphthale 4-Chlorophenyl Ph Chrysene Dibenzo(a,h)anthra 1,2-Dichlorobenzer 1,3-Dichlorobenzer 1,3-Dichlorobenzer 1,3-Dichlorobenzer 1,3-Dichlorobenzer 1,3-Dichlorobenzer 1,4-Dichlorobenzer Diethyl Phthalate Di-N-Butyl Phthalate Di-N-Butyl Phthalate 2,4-Dinitrotoluene 2,6-Dinitrotoluene 1,2-Diphenylhydra: Fluorene Hexachlorobenzene	ether pyl)ether pyl)ether phthalate penyl Ether pare pene pene pene pene pene pene pene pe	X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Bis(2-chloroethoxy Bis(2-chloroethyl)e Bis(2-chloroethyl)e Bis(2-chloroisoprop Bis(2-ethylyhexyl)p 4-Bromophenyl Ph Butylbenzyl Phthala: 2-Chloronaphthale 4-Chlorophenyl Ph Chrysene Dibenzo(a,h)anthra 1,2-Dichlorobenzer 1,3-Dichlorobenzer 1,3-Dichlorobenzer 1,3-Dichlorobenzer 1,3-Dichlorobenzer 1,3-Dichlorobenzer 1,3-Dichlorobenzer 1,4-Dichlorobenzer Diethyl Phthalate Di-N-Butyl Phthalate Di-N-Butyl Phthalate 2,4-Dinitrotoluene 2,6-Dinitrotoluene 1,2-Diphenylhydra: Fluorene Hexachlorobenzene Hexachlorobenzene	ether pyl)ether pyl)ether phthalate penyl Ether late penyl Ether late penyl Ether acene ne ne ne dine e e tte se penyl ether late late late late late late late late	X					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	

		IVIGX	Values	Avg V		No Commi	
Pollutant	Believed Present	Initial Grab	Flow- Weighted Composite	Initial Grab	Flow- Weighted Composite	No. Storm Events Sampled	Unit
Napthalene						0	
Nitrobenzene		SALES THE RESERVE				0	
N-Nitrosodimethylamine						0	
N-Nitrosodi-N-Propylamine	By Back To		-1, 200			0	
N-Nitrosodiphenylamine	7.1 4.13	2.0	3415	TWO A		0	- 1000
Phenanthrene						0	
Pyrene						0	
1,2,4-Trichlorobenzene						0	
Aldrin						0	
Alpha-BHC						0	
Beta-BHC						0	
Gamma-BHC						0	
Delta-BHC						0	
Chlordane						0	
						100,00	
4,4'-DDT					The state of	0	
4,4'-DDE	Matrix Tolland				Internal Control	0	
4,4'-DDD			12000			0	
Dieldrin						0	
Alpha-Endosulfan					47 - 17-11-1	0	
Beta-Endosulfan	19 11 11 11					0	15 1
Endosulfan Sulfate			-1-34			0	18.74
Endrin			1 1 1 2 2 1	100%		0	LA
Endrin Aldehyde						0	1
Heptachlor	PACK OF STREET					0	110
Heptachlor Epoxide				W 100 1 1 1	74 20 7 7 5	0	
PCB-1242	Value of the last		7 / 12 / 1			0	
PCB-1254						0	
PCB-1221						0	
PCB-1232						0	
PCB-1248						0	
PCB-1260						0	
PCB-1016						0	
Toxaphene				WIT OF STREET		0	
Table 2F-4							
Asbestos	71				Dar A Company	0	
Acetaldehyde	X					0	
Allyl alcohol						0	
Allyl chloride						0	
Amyl acetate			T EX			0	
Aniline						0	
Benzonitrile					Z TOTAL	0	
Benzyl chloride	Х					0	
Butyl acetate				2 1 4 11		0	
Butylamine			The Property of		The second second	0	
Carbaryl			V. 1			0	
Carbofuran						0	
Carbon disulfide						0	
						0	
Chlorpyrifos							
Coumaphos						0	
Cresol					Held of	0	
Crotonaldehyde						0	
Cyclohexane	X		EW WILL			0	
2,4-D (2,4-Dichlorophenoxyacetic acid)					3. 1. 44.6.	0	45
Diazinon	District Labor to					0	1.2
Dicamba						0	
Dichlobenil				V-TO		0	1
Dichlone					the state of	0	19
2,2-Dichloropropionic acid					7- 77	0	
Dichlorvos	THE R. P. LEWIS CO., LANSING, MICH.					0	T
Diethyl amine						0	
				1			
Dimethyl amine						0	-
Dinitrobenzene						0	
Diquat						0	
Disulfoton		- N. 7. 1		Res 1		0	
Diuron			0/37/91		1 - Symple	0	
Epichlorohydrin			AL SELENCE OF	Harris		0	100
Ethion						0	
Ethylene diamine	X					0	

		Max \	Values	Avg V	alues	J. Trees y	
Pollutant	Believed Present	Initial Grab	Flow- Weighted Composite	Initial Grab	Flow- Weighted Composite	No. Storm Events Sampled	Unit
Ethylene dibromide	7 F + X 3-1					0	
Formaldehyde	X	Part I and				0	
Furfural						0	The second
Guthion						0	
Isoprene						0	V
Isopropanolamine						0	
Kelthane						0	
Kepone						0	
Malathion						0	
Mercaptodimethur						0	
Methoxychlor						0	
Methyl mercaptan						0	
Methyl methacrylate	X				7-11	0	
Methyl parathion						0	
Mevinphos						0	
Mexacarbate					1.00	0	
Monoethyl amine						0	
Monomethyl amine	X					0	
Naled						0	
Napthenic acid		0.00				0	
Nitrotoluene					THE RESERVE	0	
Parathion						0	
Phenolsulfonate	X					0	
Phosgene	X					0	
Propargite				-		0	
Propylene oxide						0	
Pyrethrins						0	
Quinoline						0	
Resorcinol	A 100	1 4 1				0	1 70
Stronthium						0	V
Strychnine						0	
Styrene	X					0	
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)						0	
TDE (Tetrachlorodiphenyl ethane)						0	
2,4,5-TP [2-(2,4,5-Trichlorophenoxy) propanoic acid]			la William	-		0	
Trichlorofan				1		0	
Triethylamine	X					0	
Trimethylamine						0	
Uranium						0	
Vanadium						0	
Vinyl acetate	X		3			0	
Xylene	X					0	
Xylenol					D. LO	0	
Zirconium						0	

				Max	Values	Avg V			
		Pollutant	Believed Present	Initial Grab	Flow- Weighted Composite	Initial Grab	Flow- Weighted Composite	No. Storm Events Sampled	Units
art A	Required Parameters								
	0&G		NA	0		0		12	mg/L
	BOD5		NA					0	mg/l
	COD		NA	76.7		29.5		14	mg/l
	TSS		NA	201		47.9		14	mg/l
	Total Nitrogen		NA					0	mg/l
	Total Phosphorus		NA				No.	0	mg/l
	pH		NA	8.8	. TV	7.1		14	SU
							70.27		
art B		facility effluent guidelines, or listed in NI			astewater (i.e		and A01)		-
	TOC		NA	24.2		11.1		14	mg/l
	Ammonia		NA					0	
	TKN		NA					0	
	Nitrate-Nitrite		NA					0	
	Fluoride		NA	ALC:				0	
	E.coli		NA	TR.				0	
	Chromium, Total		NA				-	0	
	Copper, Total		NA					0	
100	Lead, Total		NA				1500	0	
	Nickel, Total		NA					0	
	Zinc, Total		NA					0	-
	Perfluoroctanoic Aci								
	Perfluorobutanoic A								
	Perfluorobutanesulf	onamide (PFBSA)							
BI.	Perfluorooctanesulf	onamide (PFOSA)	1						
	Perfluorooctanesulf	onate (PFOS)	100						
	Perfluorohexanoic A	cid (PFHxA)			Se	e Attachment	2C-4		
	Perfluoroheptanoic .	Acid (PFHpA)							
	Perfluorobutanesulf	onate (PFBS)							
			-						
	Perfluorohexanesulf	onate (PFHS)							
	2-(N-ethyl-PFOSA) a	cetic acid							
	2-(N-ethyl-PFOSA) a 2-(N-methyl-PFOSA)	cetic acid	NA					0	
	2-(N-ethyl-PFOSA) a	cetic acid	NA NA					0 0	
	2-(N-ethyl-PFOSA) a 2-(N-methyl-PFOSA) Acenaphthene	cetic acid	_					- 170	
	2-(N-ethyl-PFOSA) a 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene	cetic acid acetic acid	NA					0	
	2-(N-ethyl-PFOSA) a 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene Carbon tetrachloride	cetic acid acetic acid	NA NA					0	
	2-(N-ethyl-PFOSA) a 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene	cetic acid acetic acid	NA NA NA					0 0	
	2-(N-ethyl-PFOSA) a 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenze	cetic acid acetic acid	NA NA NA NA					0 0 0 0	
	2-(N-ethyl-PFOSA) a 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene	cetic acid acetic acid	NA NA NA NA NA					0 0 0 0	
	2-(N-ethyl-PFOSA) a 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene 1,2-dichloroethane	cetic acid acetic acid	NA NA NA NA NA NA					0 0 0 0 0	
	2-(N-ethyl-PFOSA) a 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane	cetic acid acetic acid	NA NA NA NA NA NA					0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) a 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane Hexachloroethane	cetic acid acetic acid	NA					0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) a 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,1-dichloroethane 1,1,1-trichloroethane 1,1-dichloroethane	ne	NA					0 0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) a 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane	ne	NA					0 0 0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) a 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1,2-trichloroethane Chloroethane	ne	NA N					0 0 0 0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) a 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane Chloroethane Chloroform	ne	NA N					0 0 0 0 0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) a 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-drichloroethane 1,1,2-trichloroethane 1,1,2-drichloroethane Chloroform 1,2-dichlorobenzene	ne	NA N					0 0 0 0 0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) a 2-(N-methyl-PFOSA) a 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2-4-trichlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1,2-trichloroethane 1,1-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene	ne	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) a 2-(N-methyl-PFOSA) a 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2-4-trichlorobenzene 1,2-dichloroethane 1,1-1-trichloroethane 1,1-dichloroethane 1,1-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene	ne	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) a 2-(N-methyl-PFOSA) a 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane Chloroethane Chloroform 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,4-dichloroethylene 1,1-dichloroethylene	ne e e e (1,1-dichloroethene)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) a 2-(N-methyl-PFOSA) a 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane Chloroform 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,4-dichloroethylene 1,2-trans-dichloroet	ne e e e e e (1,1-dichloroethene) hylene (trans-1,2-dichloroethene)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) a 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethane 1,1-dichloroethane 1,2-dichloroethane 1,2-dichlorobenzene 1,4-dichloroethane 1,1-dichloroethane 1,2-dichloroethane	cetic acid acetic acid acetic acid ne e e e e e e e e e e e e e e e e e	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) a 2-(N-methyl-PFOSA) a 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene 1,2-trans-dichloroet 1,2-dichloropropane 1,3-dichloropropane 1,3-dichloropropane 1,3-dichloropropylei	cetic acid acetic acid acetic acid ne e e (1,1-dichloroethene) hylene (trans-1,2-dichloroethene) e ne (cis- and trans-1,3-dichloropropene)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) a 2-(N-methyl-PFOSA) a 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2-4-trichlorobenzene 1,2-dichloroethane 1,1-trichloroethane 1,1-trichloroethane 1,1-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene 1,2-trans-dichloroet 1,2-dichloropropane 1,3-dichloropropane 1,3-dichloropropyle 2,4-dimethylphenol	cetic acid acetic acid acetic acid ne e e (1,1-dichloroethene) hylene (trans-1,2-dichloroethene) e ne (cis- and trans-1,3-dichloropropene)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) a 2-(N-methyl-PFOSA) a 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2-4-trichlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-dichloroethane 1,1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene 1,2-trans-dichloroet 1,2-dichloropropane 1,3-dichloropropyle 2,4-dimethylphenol Ethylbenzene	cetic acid acetic acid acetic acid ne e e (1,1-dichloroethene) hylene (trans-1,2-dichloroethene) e ne (cis- and trans-1,3-dichloropropene)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) a 2-(N-methyl-PFOSA) a 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2-4-trichlorobenzene 1,2-dichloroethane 1,1-1-trichloroethane 1,1-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichloroethylene 1,2-trans-dichloroet 1,2-dichloropropane 1,3-dichloropropane 1,3-dichloropropane 1,3-dichloropropylei 2,4-dimethylphenol Ethylbenzene Fluoranthene	ne e (1,1-dichloroethene) hylene (trans-1,2-dichloropropene)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) a 2-(N-methyl-PFOSA) a 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2-4-trichlorobenzene 1,2-dichloroethane 1,1-1-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,1-dichloroethylene 1,2-trans-dichloroet 1,2-dichloropropane 1,2-dichloropropane 1,2-dichloropropane 1,2-dichloropropane 1,2-dichloropropane 1,2-dichloropropane 1,2-dichloropropane 1,2-dichloropropane 1,2-dichloropropane 1,1-dichloropropane 1,2-dichloropropane 1,2-dichloropropane 1,2-dichloropropane 1,3-dichloropropane 1,3-dichloropropane 1,3-dichloropropane 1,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride	ne e (1,1-dichloroethene) hylene (trans-1,2-dichloropropene) (Dichloromethane)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) a 2-(N-methyl-PFOSA) a 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2-4-trichlorobenzene 1,2-dichloroethane 1,1-1-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene 1,2-trans-dichloroet 1,2-dichloropropane 1,2-dichloropropane 1,2-dichloropropane 1,2-dichloropropane 1,2-dichloropropane 1,2-dichloropropane 1,2-dichloropropane 1,2-dichloropropane 1,2-dichloropropane 1,1-dichloropropane 1,2-dichloropropane 1,2-dichloropropane 1,2-dichloropropane 1,2-dichloropropane 1,3-dichloropropane 1,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride Methyl chloride (Chl	ne e (1,1-dichloroethene) hylene (trans-1,2-dichloropropene) ne (cis- and trans-1,3-dichloropropene)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) a 2-(N-methyl-PFOSA) a 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2-4-trichlorobenzene 1,2-dichloroethane 1,1-1-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,2-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,2-trichloroethane 1,2-trichloroethane 1,2-dichloropenzene 1,3-dichloropenzene 1,3-dichloropenzene 1,2-trichloroethylene 1,2-trichloroethylene 1,2-trichloroethylene 1,2-trichloropenzene 1,3-dichloropropylei 2,4-dimethylphenol Ethylbenzene Fluoranthene Methylene chloride Methyl chloride (Chl	ne e (1,1-dichloroethene) hylene (trans-1,2-dichloropropene) ne (cis- and trans-1,3-dichloropropene)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) a 2-(N-methyl-PFOSA) a 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,1-dichloroethane 1,3-dichlorobenzene 1,3-dichlorobenzene 1,3-dichlorobenzene 1,2-trichloroethane 1,2-trichloroethane 1,3-dichloropenzene 1,3-dichloropenzene 1,2-dichloropenzene 1,2-dichloropenzene 1,2-dichloropenzene 1,2-dichloropenzene 1,2-dichloropenzene 1,2-dichloropenzene 1,3-dichloropropylei 2,4-dimethylphenol Ethylbenzene Fluoranthene Methyl chloride (Chl Hexachlorobutadien Naphthalene	ne e (1,1-dichloroethene) hylene (trans-1,2-dichloropropene) ne (cis- and trans-1,3-dichloropropene)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) a 2-(N-methyl-PFOSA) a 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1-dichloroethane Chloroform 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene 1,2-trans-dichloroet 1,2-dichloropropane 1,3-dichloropropylei 2,4-dimethylphenol Ethylbenzene Fluoranthene Methyl chloride (Chl Hexachlorobutadien Naphthalene Nitrobenzene	ne e (1,1-dichloroethene) hylene (trans-1,2-dichloropropene) ne (cis- and trans-1,3-dichloropropene)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) a 2-(N-methyl-PFOSA) a 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane Chloroform 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,4-dichlorobenzene 1,3-dichlorobenzene 1,2-trichloroethane 1,2-trichloroethane Chloroform 1,2-dichlorobenzene 1,3-dichloropenzene 1,3-dichloropenzene 1,2-dichloropenzene 1,2-dichloropenzene 1,3-dichloropenzene 1,3-dichloropropple 2,4-dimethylphenol Ethylbenzene Fluoranthene Methyl chloride (Chl Hexachlorobutadien Naphthalene Nitrobenzene 2-nitrophenol	ne e (1,1-dichloroethene) hylene (trans-1,2-dichloropropene) ne (cis- and trans-1,3-dichloropropene)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	2-(N-ethyl-PFOSA) a 2-(N-methyl-PFOSA) a 2-(N-methyl-PFOSA) Acenaphthene Acrylonitrile Benzene Carbon tetrachloride Chlorobenzene 1,2,4-trichlorobenzene 1,2-dichloroethane 1,1,1-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1,2-trichloroethane 1,1-dichloroethane Chloroform 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethylene 1,2-trans-dichloroet 1,2-dichloropropane 1,3-dichloropropylei 2,4-dimethylphenol Ethylbenzene Fluoranthene Methyl chloride (Chl Hexachlorobutadien Naphthalene Nitrobenzene	ne e (1,1-dichloroethene) hylene (trans-1,2-dichloropropene) ne (cis- and trans-1,3-dichloropropene)	NA N					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
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			Max Values		Avg \	/alues		
Pollutant		Believed Present	Initial Grab	Flow- Weighted Composite	Initial Grab	Flow- Weighted Composite	No. Storm Events Sampled	Units
	Diethyl Phthalate	NA					0	
	Dimethyl phthalate	NA					0	9.10
100	Benzo(a) anthracene	NA					0	
	Benzo(a) pyrene	NA					0	0.217
	Benzo(b) fluoranthene (3,4-Benzofluoranthene)	NA		TO COLUMN			0	MA A
	Benzo(k) fluoranthene	NA					0	TRIPLE
	Chrysene	NA				120	0	7 7
	Acenaphthylene	NA				792	0	
	Anthracene	NA					0	
	Fluorene	NA NA					0	
_	Phenanthrene	NA					0	1000
	Pyrene	NA NA					0	
							0	
	Tetrachloroethylene (Tetrachlorethene)	NA			_			h
	Toluene	NA	0		0		12	ug/L
	Trichloroethylene (Trichlorethene)	NA					0	
	Vinyl chloride	NA					0	
	Cyanide, Total	NA		A CO			0	
								ALC: U
rt C	Pollutants known or believed to be present (and listed in	Tables 2F-2, 2F-3,	and 2F-4)					
	Table 2F-2				Palentini		0	
	Bromide						0	
	Chlorine, Total Residual				THE STATE OF	100	0	10
	Color					We bloom of	0	
	Fecal Coliform						0	
	Fluoride	X					0	
	Nitrate-Nitrite	^					0	
	Control of the Contro						The state of the s	
	Nitrogen, Total Organic						0	
	Oil and Grease	x					0	
	Phosphorus, Total	X					0	
	Radioactivity				1000	a transport	0	
	Sulfate	X					0	
	Sulfite	X					0	
	Surfactants	X					0	
	Aluminum, Total		4.1		The state of the s		0	
	Barium, Total	X	7		4000		0	
	Boron, Total						0	
	Cobalt Total	Х				7,17	0	
	Iron, Total	х					0	
	Magnesium, Total						0	_
	Molybdenum, Total	х					0	
	Manganese, Total	X		-			0	
	Tin, Total	×					0	
		^						
	Titanium, Total						0	
	Table 2F-3						-	
	Antimony, Total	Х	3-11-0		1 1 1		0	
	Arsenic, Total				TVI LS I		0	
	Beryllium, Total				ACCOUNT OF		0	
	Cadmium, Total						0	
	Chromium, Total						0	
	Copper, Total	X					0	
	Lead, Total	X					0	
	Mercury, Total	X					0	
	Nickel, Total						0	
	Selenium, Total						0	
-	Silver, Total				Title Care 197 in		0	7-
	Thallium, Total		The state of the s				0	
		×			1	and the second of the	0	
	Zinc, Total	*						
	Cyanide, Total						0	
	Phenols, Total	X	15-11-1		Direction of		0	
	Acrolein						0	
	Acrylonitrile						0	
	Benzene						0	
	Bromoform				7		0	
	Carbon Tetrachloride		1				0	
	Chlorobenzene						0	
	Chlorodibromomethane						0	
	A section and the second section of the second section and the second section						0	
	Chloroethane		1				CONTRACTOR OF THE PERSON NAMED IN COLUMN	
	2-Chloroethylvinyl Ether		1		11 11 11 11		0	

		Max	Max Values		/alues	No Co	
Pollutant	Believed Present	Initial Grab	Flow- Weighted Composite	Initial Grab	Flow- Weighted Composite	No. Storm Events Sampled	Units
Chloroform		و ماليد ر				0	
Dichlorobromomethane						0	
1,1-Dichloroethane						0	
1,2-Dichloroethane	X					0	
1,1-Dichloroethylene						0	
1,2-Dichloropropane						0	
1,3-Dichloropropylene						0	
Ethylbenzene	X X					0	
Methyl Bromide						0	
Methyl Chloride						0	
Methylene Chloride						0	
1,1,2,2,-Tetrachloroethane						0	
Tetrachloroethylene						0	
Toluene	X					0	
1,2-Trans-Dichloroethylene						0	
1,1,1-Trichloroethane						0	
1,1,2-Trichloroethane						0	
Trichloroethylene						0	
Vinyl Chloride						0	
2-Chlorophenol						0	11 - 200
2,4-Dichlorophenol						0	
2,4-Dimethylphenol						0	
4,6-Dinitro-O-Cresol						0	
2,4-Dinitrophenol						0	
2-Nitrophenol						0	
4-Nitrophenol						0	
p-Chloro-M-Cresol			100			0	
Pentachlorophenol						0	Y 1.
Phenol	X					0	
2,4,6-Trichlorophenol				A STATE OF THE PARTY OF THE PAR		0	
2-methyl-4,6 dinitrophenol		'				0	
Acenaphthene						0	
Acenaphthylene						0	
Anthracene						0	
Benzidine		VIII.27 PAREZIIII.2 PRIII-PRI				0	
Benzo(a)anthracene						0	
Benzo(a)pyrene						0	TV
3,4-Benzofluoranthene				_		0	
Benzo(ghi)perylene						0	
Benzo(k)fluoranthene						0	1. 1
Bis(2-chloroethoxy)methane						0	
Bis(2-chloroethyl)ether						0	
Bis(2-chloroisopropyl)ether					The Control	0	
Bis(2-ethylyhexyl)phthalate						0	.,
4-Bromophenyl Phenyl Ether						0	
Butylbenzyl Phthalate						0	15,000
2-Chloronaphthalene						0	
4-Chlorophenyl Phenyl Ether						0	
Chrysene			1			0	
Dibenzo(a,h)anthracene						0	
1,2-Dichlorobenzene			Para San San San San San San San San San Sa	NE PROGRAMME		0	
1,3-Dichlorobenzene						o	
1,4-Dichlorobenzene						0	
3,3'-Dichlorobenzidine			PORTUGUISMENT TRANS			0	
Diethyl Phthalate						0	
Dimethyl Phthalate	x					0	
Di-N-Butyl Phthalate						0	
2,4-Dinitrotoluene						0	
						0	7.7
2,6-Dinitrotoluene						0	
Di-N-Octyphthalate							
1,2-Diphenylhydrazine (as Azobenzene)						0	
Fluroranthene						0	
Fluorene						0	
Hexachlorobenzene						0	
Hexachlorobutadiene						0	
Hexachloroethane				11-31-11-1		0	
Indeno(1,2,3-cd)pyrene						0	
Isophorone						0	

	Pollutant	Believed Present	Max \	Flow- Weighted Composite	Avg \	Flow- Weighted Composite	No. Storm Events Sampled	Units
	Napthalene						0	
	Nitrobenzene						0	
	N-Nitrosodimethylamine						0	
	N-Nitrosodi-N-Propylamine	The last section of the la				218 E. S.	0	100
	N-Nitrosodiphenylamine					We thin you	0	
	Phenanthrene						0	
	Pyrene						0	
	1,2,4-Trichlorobenzene						0	
	Aldrin						0	
	Alpha-BHC						0	
	Beta-BHC						0	
	Gamma-BHC						0	
14	Delta-BHC				March 1997		0	
	Chlordane						0	
	4,4'-DDT				1 32 17	(1) T/- T/-	0	011
	4,4'-DDE			7 2 4 1 7	THE THE		0	
	4,4'-DDD			77.00	1 62 176		0	7.1.1.5
	Dieldrin			FITT	W 1.60		0	
	Alpha-Endosulfan					Section 119	0	
	Beta-Endosulfan				1000		0	Autori
	Endosulfan Sulfate			THE SE	THE SHOW		0	
- 6	Endrin						0	4
	Endrin Aldehyde				W-18/1/2	TVI TER	0	100
	Heptachlor		7.7	1. 110 3.70		y u s	0	
	Heptachlor Epoxide						0	
	PCB-1242				-177		0	
	PCB-1254						0	
	PCB-1221						0	
_	PCB-1232			1 0			0	
	PCB-1248				7777		0	. 7
	PCB-1260					Oracle Control	0	
-	PCB-1016						0	
_	Toxaphene						0	_
1	Table 2F-4						,	5,000
- 17	Asbestos						0	
-	Acetaldehyde	X		7			0	
-	Allyl alcohol						0	
	Allyl chloride						0	_
-	Amyl acetate						0	_
-	Aniline						0	
-	Benzonitrile						0	-
-	Benzyl chloride	X					0	
-	Butyl acetate	^			1577/10		0	
-							0	
	Butylamine						0	
-	Carbofuran				170		0	
-	Carbofuran Carbon disulfide						0	
							0	
	Chlorpyrifos						0	
-	Coumaphos						0	
	Cresol Crotonaldehyde						0	
	Cyclohexane	V					0	
		X	- X 1				0	
	2,4-D (2,4-Dichlorophenoxyacetic acid)							100
	Diazinon						0	
	Dicamba						0	
	Dichlobenil			V			0	
	Dichlone				La L		0	
	2,2-Dichloropropionic acid			- 4 5			0	
	Dichlorvos						0	
	Diethyl amine						0	
	Dimethyl amine		W. M. C.		Mac of	186	0	
	Dinitrobenzene						0	
	Diquat				LINE YEAR		0	
	Disulfoton	BELLEVILLE	15.15				0	
	Diuron		111111111111111111111111111111111111111				0	
	Epichlorohydrin		No.		A REPORT		0	
	Ethion			LY TYMY	2000	45 Pt. 7	0	
	Ethylene diamine	X				MIC COLUMN	0	

	Pollutant	Believed Present	Max Values		Avg V	alues		
			Initial Grab	Flow- Weighted Composite	Initial Grab	Flow- Weighted Composite	No. Storm Events Sampled	Units
Ethylene dibromide					1		0	
Formaldehyde		X					0	
Furfural	W.						0	
Guthion							0	
Isoprene							0	
Isopropanolamine							0	TTHE
Kelthane							0	
Kepone				7			0	1112
Malathion		See See See	TO THE				0	
Mercaptodimethur							0	
Methoxychlor							0	
Methyl mercaptan		7 7 7 7 7					0	
Methyl methacrylate		X					0	
Methyl parathion							0	
Mevinphos							0	
Mexacarbate							0	
Monoethyl amine							0	
Monomethyl amine		X					0	15
Naled							0	
Napthenic acid							0	
Nitrotoluene							0	
Parathion							0	
Phenolsulfonate		X					0	
Phosgene		X					0	
Propargite					, =		0	
Propylene oxide							0	
Pyrethrins			7			*	0	
Quinoline	H						0	
Resorcinol							0	
Stronthium							0	V.
Strychnine							0	
Styrene		Х				100	0	
2,4,5-T (2,4,5-Trichlor	ophenoxyacetic acid)		1.02-11				0	
TDE (Tetrachlorodiph	enyl ethane)						0	
	hlorophenoxy) propanoic acid]						0	
Trichlorofan							0	- 1
Triethylamine		X					0	
Trimethylamine							0	
Uranium							0	
Vanadium		A PLE					0	
Vinyl acetate		х					0	
Xylene		X					0	
Xylenol							0	
Zirconium							0	

Jon T. Lindekugel Senior Vice President

3M Supply Chain

3M Center, Building 220-14E-11 St. Paul, MN 55144-1000 651 737 6046 Office jtlindekugelk@mmm.com

IND MUN BRANCH



To:

Plant Managers/Facility Managers

From:

Jon Lindekugel-Senior Vice President, 3M Supply Chain

Subject:

Certifications Under Environmental, Health and Safety Laws

Date:

October 20, 2017

As you are aware, Title V of the Clean Air Act Amendments of 1990 requires that most 3M facilities apply for and receive a Title V air permit. The Title V permit process is implemented through the respective state agency with jurisdiction over air permitting matters. Once the permit is issued, facilities must make certifications regarding its compliance status for the previous year with the Title V permit.

Some of these state laws implementing the Title V program require that filings and certifications be made by a corporate officer or someone delegated by a corporate officer. Other federal or state environmental, health and safety programs may also require that filings and certifications be made by a corporate officer or someone delegated by a corporate officer.

3M plant/facility managers are responsible for the overall control of the day-to-day operations at 3M facilities and, as such, are in the best position to make such certifications regarding the information submitted in Title V permit applications and the environmental, health and safety status of his/her particular facility.

In my capacity as a corporate officer of 3M, I delegate to plant/facility managers the responsibility to make Title V permit-related certifications and associated filings on behalf of each respective plant. I also delegate to plant/facility managers the authority to make other environmental, health and safety regulatory program-related certifications, permit applications and authorizations that may require filings and certifications be made by a corporate officer or someone delegated by a corporate officer. In making such certifications, please consult with your assigned Environment, Health & Safety plant contact or with Karna Peters in the Office of General Counsel.

Thank you,

Jon T. Lindekugel

Senior Vice President 3M Supply Chain

3M Center, 220-14E

St. Paul, MN 55144-1000

cc: Manufacturing Directors

John Ostergren, Director, EHS

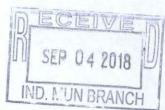
Paul Narog, Manager, Environmental Operations

Karna Peters, Associate General Counsel, Supply Chain

EHS Plant Contacts

3M Decatur NPDES Permit Renewal Application

Public Version





3M Decatur Decatur, Alabama

Submittal Date: August 31, 2018

Permit Number: AL0000205

Table of Contents

3M Decatur **NPDES Permit Renewal Application**

Basis for Confidentiality Claim

ADEM Form 187 – NPDES Individual Permit Application Supplementary Information for Industrial Facilities

Attachment 187-1: Business Activity

Attachment 187-2: Wastewater Discharge Information Attachment 187-3: Biocides and Corrosion Inhibitors

Attachment 187-4: Wastewater Treatment Sludges and Wastes

EPA Form 1 – General Information

Figure 1-1:

Topographic Map

EPA Form 2C – Application for Permit to Discharge Wastewater

Figure 2C-1:

Water Flow Diagram

Attachment 2C-2: Operations Contributing Flow and Treatment Technologies Narrative Description of Wastewater Treatment Facilities

Design Description of Wastewater Treatment System

Attachment 2C-3:

Effluent Characteristics

Attachment 2C-4:

Effluent Characterization - Perfluoroalkyl and Polyfluoroalkyl Substances

(PFAS)

Attachment 2C-5:

EPA Form 2F – Application for Permit to Discharge Stormwater Discharges Associated with Industrial Activity

Attachment 2F-1:

Regulated Outfalls

Figure 2F-2:

Site Drainage Map

Attachment 2F-2:

Description of Sub-watersheds and Outfalls

Attachment 2F-3:

Significant Materials Exposure

Stormwater Management Practices -

Material Loading, Access, and Cleaning Stations

Landscaping Applications

Attachment 2F-4:

Significant Leaks or Spills

Attachment 2F-5:

Discharge Information



Basis for Confidentiality Claim

Decatur Alabama August 2018

The information labeled as "3M CONFIDENTIAL" in this submittal relates to methods of manufacturing and processing which are unique to 3M Company. This trade secret information derives actual independent economic value from not being generally known to our competitors in the optical industry and others who could obtain economic value from the disclosure of such information. This information may include, but may not be limited to, the process flow diagram(s), process throughput(s), emission factor(s), and/or raw material application rate(s). Emission rates are not claimed as confidential.

"3M CONFIDENTIAL" information is customarily held in confidence and is not available for public viewing. 3M Company takes measures to protect the confidentiality of its trade secrets, including: (1) disclosure only to those 3M employees who have a need to know, and to other persons, such as vendors, who are under contractual obligation to hold the information in confidence; (2) controlled access to the 3M's facilities where the information is located and used, including but not limited to posted security guards at the entrance to 3M's facilities, the display of employee passes, and the escort of visitors to 3M's facilities; and, (3) all available legal measures to protect the confidential information concerning the processes utilized at its facilities from disclosure to third parties. These steps are regularly taken in filings made with governmental and regulatory agencies, and in dealings with 3M's customers and suppliers. 3M intends to continue to take these measures to protect confidential information.

Specific to this submittal, the following information has been claimed "3M CONFIDENTIAL":

i. Maximum Design Capacities

Disclosure of this information could be used by a competitor to determine the magnitude of 3M's business and 3M's manufacturing capabilities, and therefore could negatively impact 3M's competitive position.

ii. Emission Factors

Emission factors, when used with emission rate information, can be used to back-calculate the maximum design capacity of the associated equipment. Disclosure of the emission factors essentially provides disclosure of maximum design & production capacity information, which could be used by a competitor to determine the magnitude of 3M's business and 3M's manufacturing capability, and therefore could negatively impact 3M's competitive position.

iii. Facility and/or Process Flow Diagrams and/or Descriptions

This information could be used by a competitor to obtain information about the production methodology itself, specifically any proprietary steps 3M may use.





Sent Certified Mail Return Receipt Requested

Alabama Department of Environmental Management
Attention: Mr. Theo Pinson
Water Division – Industrial Permit Section
1400 Coliseum Boulevard
Post Office Box 301463
Montgomery, Alabama 36130-1463

Subject:

3M Decatur - NPDES Permit Renewal Application (AL0000205)

Dear Mr. Pinson:

Please find attached two copies each of the public and confidential version of the completed NPDES permit renewal applications for the 3M Decatur facility. Included with these documents are ADEM Form 187 and EPA Forms 1, 2C, and 2F, along with referenced attachments. A check for \$19,005 for the combined NPDES permit application fee is also enclosed.

As you will see in Form 2F of the permit application, 3M is requesting that several stormwater outfalls be added to the permit. 3M is also requesting that several other outfalls be removed from the permit. In general, the proposed stormwater outfall changes reflect the impact of ongoing remediation capping activities in the south fields, various plant-related construction projects, and the availability of an updated, higher resolution, site-wide topographic map. Table 1 summarizes the requested changes and the basis for the requests.

Table 1: Proposed Changes to Stormwater Outfalls

Outfall Number(s)	Request	Reason
DSN 007 DSN 008 DSN 010 DSN 011 DSN 012	Remove	Industrial activities no longer take place in these sub-watershed areas and construction of the multi-layer cap, in accordance with the NPDES Remedial Action Agreement, eliminates stormwater contact with former sludge incorporation areas
DSN 009	Remove	Soil excavation in the southwest corner of the site (capping related), has eliminated stormwater site drainage to this outfall, as shown on the site drainage map
DSN 014	Add	Higher resolution mapping capabilities
DSN 015	Add	Construction of hazardous material trailers storage containment system
DSN 016	Add	Construction of new process wastewater treatment system (fluoroelastomer wash water carbon)
DSN 017	Add	Higher resolution mapping capabilities
DSN 018	Add	Building expansion and drainage modifications

Notwithstanding our request to remove stormwater Outfalls DSN 007, 008, 010, 011, and 012 from the facility's NPDES permit, 3M proposes to continue to monitor these outfalls for perfluorinated substances to evaluate the effectiveness of the multi-layer cap.

Sampling, including screening for EPA priority pollutants, is underway as required for purposes of satisfying the requirements of Forms 2C and 2F of the permit application. Sampling of the process outfall DSN 001 has been completed and the results are included in Form 2C. Stormwater sampling will occur when there is a rain event which produces runoff that can be sampled. We will send the results of the stormwater outfall sampling to you as soon as they are available.

Form 2C, Part C does not list any perfluorinated and polyfluorinated substances (PFAS), formerly referred to as perfluorochemicals (PFCs). 3M's application, however, includes a summary of our monitoring under the existing permit for PFAS constituents. It also includes descriptions of current production operations with the potential to generate wastewater containing such substances and the substances expected to be present. We note in this regard that reliable quantification of those PFAS constituents in process wastewaters is limited by the currently available analytical methods and lack of analytical standards. As ADEM is aware, moreover, 3M Decatur is planning to install a granular activated carbon (GAC) treatment system for its fluoroelastomer wash water. 3M is also planning to install a GAC treatment system at the wastewater treatment plant. Both GAC systems are expected to begin operation in 2019. The installation of these GAC systems is expected to further reduce PFAS discharges to the chemical sewer.

Also enclosed are two copies of a report that includes information on the facility's cooling water intake structure, in compliance with 33 USC 1251, Section 316(b) regulations. This information satisfies the conditions described in Part IV.D. of the current NPDES permit and is required to be submitted 180 days prior to permit expiration.

If you have any questions regarding this application, please contact me at (256) 552-6300 or via email at mlhowell@mmm.com.

Sincerely

Michelle Howell Site Manager

Cc: Ca

Carie Mathison, 3M Corporate EHS James Banks, 3M Decatur EHS Stacee Bland, 3M Decatur EHS

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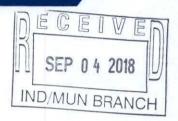
Encl:

NPDES Permit Renewal Application – Public Version (2 copies)
NPDES Permit Renewal Application – Confidential Version (2 copies)

Certified Check

316(b) Information: Cooling Water Intake Structure Submittal (2 copies)

316(b) Information: Cooling Water Intake Structure (CWIS) Data



Prepared for:



3M Decatur

1400 State Docks Road Decatur, Alabama 35601



Responsive partner. Exceptional outcomes. Prepared by:

WENCK Associates, Inc. 1800 Pioneer Creek Center Maple Plain, MN 55359

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Table of Contents

1.0	EXEC	UTIVE SUMMARY 1-1
2.0	INTRO	DDUCTION 2-1
	2.1	Section 316(b) Regulatory Overview2-1
	2.2	Applicability2-1
	2.3	Data Availability and Methodology2-1
3.0	SOUR	CE WATER PHYSICAL DATA3-1
	3.1	Location and Physical Configuration3-1
	3.2	Salinity and Temperature Regimes3-1
	3.3	Hydrology and Geomorphology3-2
4.0	COOL	ING WATER INTAKE STRUCTURE DATA 4-1
	4.1	Location and Configuration4-1
	4.2	Narrative Description of Operation4-1
	4.3	Flow distribution4-1
	4.4	Engineering Drawings4-1
5.0	SOUR	CE WATER BASELINE BIOLOGICAL CHARACTERIZATION DATA 5-1
	5.1	Data Availability and Methodology5-1
	5.2	List of Species for All Life Stages5-1
	5.3	Identification of Species and Life Stages Most Susceptible to Impingement
	and E	Intrainment5-4
	5.4	Life Cycles and Seasonal/Daily Activities of Relevant Species5-4
	5.5	Threatened, Endangered, and Other Protected Species5-8
	5.6	Consultation with Federal and State Agencies5-9
	5.7	Conclusions5-9
6.0	COOL	ING WATER SYSTEM DATA 6-1
	6.1	Narrative Description6-1
	6.2	Design and Engineering Calculations6-1
	6.3	Existing Impingement and Entrainment Technologies or Operational Measures
		6-2
7.0		EN METHOD OF COMPLIANCE WITH IMPINGEMENT MORTALITY
STA	NDARD	7-1
	7.1	40 CFR 125.94(C)(2)7-1
8.0	ENTR	AINMENT PERFORMANCE STUDIES 8-1
	8.1	Available Data8-1
	8.2	Summary of BFN Entrainment Study8-1
	8.3	Conclusions For 3M CWIS8-3
9.0	OPER	ATIONAL STATUS 9-1



10.0 REFERENCES	10-1
TABLES	
Table 5-1: Species Identified in Wheeler Reservoir in Autumn 2011 (TVA, 2012). Table 5-2: Fish community metrics used to calculate RFAI scores (TVA, 2012). Table 5-3: Prominent Fish collected from Wheeler Reservoir between 2008 and 2012). Table 5-4: List of threatened, endangered, and other protected species for Mornaldama. Table 5-5: Comparison of Cooling Water Flow Rates. Table 6-1: Monthly Average CWIS Flow Rates. Table 6-2: Average Proportion of Tennessee River Flow Withdrawn by CWIS Table 7-1: Design and actual through-screen velocity (TSV). Table 8-1: Summary of eggs and larval fish collected from 2003 and 2004 (TVA)	5-3 d 2011 (TVA,5-4 gan County,5-85-96-16-27-1 A, 2006)

FIGURES

- 1. Cooling Water Intake Structure and Source Water Location Map
- 2. Water Balance Diagram

APPENDICES

A Cooling Water Intake Structure Engineering Drawings

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1.0 Executive Summary

3M operates a cooling water intake structure (CWIS) at its facility in Decatur, Alabama. The facility has prepared this 316(b) information to determine compliance with the provisions set forth in the Clean Water Act (CWA), as amended in 33 US C1251 Section 316(b) regulations – Final Regulations To Establish Requirements for Cooling Water Intake Structures at Existing Facilities and Amend Requirements at Phase I Facilities (316 (b) or the Rule) that became effective on October 14, 2014.

The purpose of this document is to provide the Alabama Department of Environmental Management (ADEM) with the comprehensive application submittal required of the facility to comply with the 316(b) Rule. This document also satisfies the conditions described in Part IV.D of the facility's current National Pollutant Discharge Elimination System (NPDES) permit number AL0000205. The 316(b) regulations are intended to reduce impingement and entrainment of fish and other aquatic organisms at cooling water intake structures used by certain existing power generation and manufacturing facilities for the withdrawal of cooling water from waters of the United States.

To assist in characterizing the source water near the 3M CWIS, several studies published by the Tennessee Valley Authority (TVA) at its Browns Ferry Nuclear (BFN) Plant, also located on the Wheeler Reservoir, were reviewed. The area of Wheeler Reservoir near the 3M CWIS exhibits similar physical and biological characteristics as the area near the BFN Plant for the reasons listed below.

- 1. General proximity: The 3M CWIS is located just six miles upstream of the BFN Plant.
- 2. Dimensions: Similar cross-sectional areas.
- 3. Waterbody Classification: Both locations are within the same reach of the Tennessee River as assigned by ADEM for classification purposes.

Additionally, there is precedence for using data and studies characterizing a source water that are published by others for the purpose of satisfying the information requirements in 316(b).

The data presented in the reviewed TVA reports indicate that the fish community within the Wheeler Reservoir is stable and that the BFN Plant is not having an impact on the fish community within the reservoir. Given the following:

- The 3M CWIS has significantly less flow (approximately 0.2% to 0.5% of the BFN Plant cooling water flow),
- The 3M CWIS has a maximum design through-screen intake velocity of less than 0.5 feet per second,
- The location of the 3M CWIS in the same section of the Wheeler Reservoir as the BFN intake,
- The applicable inherent variation of the fish population within the Wheeler Reservoir,

it can also be concluded that the operation of the 3M CWIS is not measurably impacting the fish community within the reservoir.



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3M operates a cooling water intake structure (CWIS) at its facility in Decatur, Alabama. The facility has prepared this 316(b) information to determine compliance with the provisions set forth in the Clean Water Act (CWA), as amended in 33 US C1251 Section 316(b) regulations – Final Regulations To Establish Requirements for Cooling Water Intake Structures at Existing Facilities and Amend Requirements at Phase I Facilities (316 (b) or the Rule) that became effective on October 14, 2014.

The purpose of this document is to provide the Alabama Department of Environmental Management (ADEM) with the comprehensive application submittal required of the facility to comply with the 316(b) Rule. This document also satisfies the conditions described in Part IV.D of the facility's current National Pollutant Discharge Elimination System (NPDES) permit number AL0000205.

2.1 SECTION 316(B) REGULATORY OVERVIEW

The CWA establishes the basic structure for regulating discharges of pollutants into the waters of the United States and regulating quality standards for surface waters. Under the CWA, EPA has implemented pollution control programs such as setting wastewater standards for industry. EPA has also set water quality standards for all contaminants in surface waters. EPA has given primacy to ADEM to issue NPDES permits that regulate industries that discharge pollutants to surface waters in Alabama.

According to the Federal Register, the purpose of 316(b) regulations is to reduce impingement and entrainment of fish and other aquatic organisms at cooling water intake structures used by certain existing power generation and manufacturing facilities for the withdrawal of cooling water from waters of the United States. This rule establishes requirements under section 316(b) of the Clean Water Act (CWA) for existing power generating facilities and existing manufacturing and industrial facilities that are designed to withdraw more than 2 million gallons per day (MGD) of water from waters of the United States and use at least 25 percent of the water they withdraw exclusively for cooling purposes. This regulation went into effect in October 14, 2014.

2.2 APPLICABILITY

3M utilizes a CWIS to withdraw water from the Tennessee River. Over the past three years, the CWIS has withdrawn approximately 4.35 MGD on average for 100 percent cooling purposes; therefore, 3M is subject to the 316(b) regulations.

2.3 DATA AVAILABILITY AND METHODOLOGY

To assist in characterizing the source water near the 3M CWIS, several studies published by the Tennessee Valley Authority (TVA) at its Browns Ferry Nuclear (BFN) Plant, also located on the Wheeler Reservoir, were reviewed and are incorporated by reference in three chapters of this report (2.0, 4.0, and 7.0). The 3M CWIS is located at Tennessee River Mile (TRM) 300 and the BFN Plant is located at TRM 294. The area of Wheeler Reservoir near the 3M CWIS is assumed to exhibit similar physical and biological characteristics as the area near the BFN Plant for the reasons listed below.



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- 1. General proximity: The 3M CWIS is located just six miles upstream of the BFN Plant.
- 2. Dimensions: Similar cross-sectional areas.
- 3. Waterbody Classification: Both locations are within the same reach of the Tennessee River as assigned by ADEM for classification purposes.

Additionally, there is precedence for using data and studies characterizing a source water that are published by others for the purpose of satisfying the information requirements in 316(b). In 2017, Ascend Performance Chemicals, a neighboring facility located at TRM 301, submitted 316(b) information for ADEM's approval. That report included data from several TVA studies of the BFN Plant intake and discharge (Enersolv, 2017).



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3.0 Source Water Physical Data

3.1 LOCATION AND PHYSICAL CONFIGURATION

The Tennessee River is formed near Knoxville, Tennessee, and ultimately flows into the Ohio River at Paducah, Kentucky. The Wheeler Reservoir, located in northern Alabama on the Tennessee River, was created by the Tennessee Valley Authority (TVA) by the construction of the Wheeler Dam in 1936. Wheeler Reservoir is approximately 60 miles long and borders Lauderdale, Lawrence, Limestone, Morgan, and Madison counties in Alabama. According to the TVA, Wheeler Reservoir has approximately 1,027 miles of shoreline, 67,070 acres of water surface, and a volume of 1,050,000 acre-feet at the normal summer pool elevation of 556 feet mean sea level (MSL).

Wheeler Dam is located at Tennessee River Mile (TRM) 274.9 based upon the US Army Corps of Engineers Tennessee River Charts. The Guntersville Lake Dam, located at TRM 349, controls the flow of the Tennessee River upstream of Wheeler Reservoir. 3M's cooling water intake structure (CWIS) is located on the south shore of the Wheeler Reservoir at approximately TRM 300. The Browns Ferry Nuclear (BFN) Plant is located at TRM 294. A map showing the geographical locations and configurations of Wheeler Reservoir, Wheeler Dam, Guntersville Dam, the BFN Plant, and the 3M CWIS is attached as Figure 1.

The reach of the Tennessee River between TRM 289.3 and TRM 305 has the following classifications, as determined by ADEM:

ADEM Assessment Unit ID: AL06030002-1107-102

Category: 5

Downstream: Five miles upstream of Elk River (TRM 289.3)

Upstream: US Highway 31

Classification: Fish and Wildlife, Swimming

River Basin: Tennessee

2016 303(d) List Impairments: Nutrients

3.2 SALINITY AND TEMPERATURE REGIMES

In October 2011, the TVA conducted sampling for various water quality parameters including temperature and conductivity at various elevations in the water column within the vicinity of the BFN Plant. The full methodology of the sampling methods along with the monitoring results can be found within the following report:

TVA, July 2012. Biological Monitoring of the Tennessee River Near the Browns Ferry Nuclear Plant Discharge Autumn 2011.

In general, results from the sampling locations upstream of the BFN Plant discharge are more representative of the ambient conditions in Wheeler Lake compared to the results from downstream locations. The TVA study reported that water temperatures upstream of the BFN Plant discharge ranged from 68 to 75 degrees F depending on distance from bank and depth, and all temperature profiles generally indicated a decrease in temperature as depth increased. The study concluded that water temperatures were within the range expected for lower mainstem Tennessee River reservoirs in autumn, and the profiles indicated little thermal stratification (TVA, 2012).



Conductivity upstream of the BFN Plant ranged from 178 to 190 μ S/cm. Conductivity is a measure of the ability of a solution to conduct electricity and is related to salinity. Based on the water quality results that were reported including temperature and salinity, the study concluded that the water in Wheeler Reservoir near the BFN Plant during autumn 2011 was of a quality capable of supporting, in fair ecological health, a balanced indigenous population of the type expected for this reservoir (TVA, 2012).

3.3 HYDROLOGY AND GEOMORPHOLOGY

Reservoirs are characterized by three zones: an inflow zone, having characteristics more riverine; a forebay zone immediately upstream from a dam, having more lacustrine characteristics; and a transition zone, which provides a buffer in the middle of the reservoir. As water flows downstream from the inflow, velocity decreases as the cross-sectional area of the reservoir increases. Areas within the transition zone may exhibit high flow, low flow, or even negative flows depending on the rate water is released through the upstream and downstream dams.

The TVA has previously characterized the area of Wheeler Reservoir near BFN Plant as a transition zone where the velocity of water depends on the rate water released through Guntersville and Wheeler Dams (TVA, 2006). It is assumed that the area near the 3M CWIS exhibits similar characteristics.

The TVA operates Guntersville Dam and Wheeler Dam to maintain navigable depths throughout the Wheeler Reservoir, with water levels between 550.6 ft MSL and 556.3 ft MSL. During the 2015 water-year, the winter pool elevation at the Tennessee River at Decatur Gage (USGS Station 03577150, located at TRM 305) ranged from 550.6 ft MSL to 554.0 ft MSL. The summer pool elevation ranged from 553.2 ft MSL to 556.6 ft MSL.

Tennessee River daily flow data through Wheeler Dam were provided by TVA from July 2008-July 2018. Below is a summary of the data:

Average Daily Flow: 50,392 cfs Minimum Daily Flow: 8,557 cfs Minimum Guaranteed Flow: None

Stream information for the Tennessee River based on previous ADEM permit rationale documentation for the facility is shown below.

7Q10: 6,436 cfs 7Q2: 11,320 cfs 1Q10: 4,827 cfs

Annual Average Flow: 43,901 cfs



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4.0 Cooling Water Intake Structure Data

4.1 LOCATION AND CONFIGURATION

3M's cooling water intake structure (CWIS) is located on the south shore of the Wheeler Reservoir on the Tennessee River at approximately Tennessee River Mile (TRM) 300 (34°38'55.5"N, 87°03'04.3"W). The CWIS consists of a pumping station building that houses three 6-stage vertical turbine pumps manufactured by Fairbanks Morse, Model 17H. The pumps are each specified to provide 3750 gallons per minute (gpm) at 265 ft of total discharge head. The motors for each pump are 300 HP, 1180 RPM, 2300 V. The pumps are set on the operating floor at elevation 565.00 ft MSL.

Each pump withdraws river water from a dedicated sump, which are arranged parallel to the bank. River water entering each sump flows through a bar screen, two fine screens in series, and finally through a 36" x 36" sluice gate. Each fine screen assembly is approximately 21'-8" tall and 6'-11" wide, including framing, and has six screen sections arranged vertically. The mesh is 18-gauge stainless steel wire with approximately 1/2" spacing. The bottom elevation of the fine screens is 539.33 ft MSL, the bottom elevation of the intake channel is 538.0 ft MSL, and the bottom of the flow channel, approximately 450 ft from the screens, is approximately 522 ft MSL.

4.2 NARRATIVE DESCRIPTION OF OPERATION

The 3M cooling water system is operated on a pressure control loop. The pumps located in the CWIS pumping building are used to provide the pressure to the loop, and are operated in lead-lag mode, normally with only one pump operating at a time. The header pressure is monitored and when a low pressure set point is reached it calls for the primary pump to start. When a high pressure set point is reached the pump is stopped. If the pressure continues to fall to a secondary low pressure set point the second pump is started.

Because the manufacturing plant operates continuously, the cooling water system is operational 24 hours per day, seven days per week, 365 days per year. There is minimal seasonal variation in the operation of the cooling water system. 100% of the water used in the cooling water system is supplied by the CWIS pumps.

The full capacity design of the 3M CWIS with all three pumps operational, concurrently, would intake 16.2 million gallons per day (MGD), or 25.1 cubic feet per second (cfs). However, 3M rarely operates all 3 pumps concurrently; the facility typically operates 1 or 2 pumps at any given time. The average cooling water flow from January 2015 through May 2018 was 4.35 MGD (6.73 cfs), with a maximum daily flow of 7.00 MGD (10.8 cfs).

4.3 FLOW DISTRIBUTION

Refer to Figure 2 for a flow distribution and water balance diagram that includes all sources of water to the facility and discharges.

4.4 ENGINEERING DRAWINGS

Attached in Appendix A are engineering drawings of the cooling water intake structure, pumps, and screens.



5.0 Source Water Baseline Biological Characterization Data

5.1 DATA AVAILABILITY AND METHODOLOGY

Relevant biological data are available for the Wheeler Reservoir from previously collected publicly available data sets. The Tennessee Valley Authority (TVA) has completed studies documenting the biological community in the Wheeler Reservoir at their Browns Ferry Nuclear (BFN) Plant located approximately 6 miles downstream from the 3M CWIS. The TVA conducted annual biological monitoring within the Wheeler Reservoir from 2000 through 2009. The most recent data collected by TVA occurred in autumn 2011. The results of the 2011 monitoring efforts are summarized here to describe the existing biological community within the Wheeler Reservoir. The existing data are relevant to the 3M CWIS because of the relative proximity of the study location in the Wheeler Reservoir and the similarity in the lake cross sections at each site. The reservoir is more than 45 miles long. Both sites are within the transition zone (middle third) of the lake.

In 2011, the fish community sampling methods conducted by the TVA included boat electrofishing and gill nets, continuing sampling methods from previous monitoring efforts. Fish community data were collected from two stations, one located up stream of the TRM 292.5). Fifteen electrofishing runs and ten overnight gill net sets were completed at each of the two fish monitoring locations. The TVA assessment also collected benthic macroinvertebrate community data along three transects, two downstream of the discharge plume (at TRM 290.4 and 293.2) and one upstream of the discharge point (TRM 295.9). The full methodology of the sampling methods along with the monitoring results can be found within the following report:

TVA, July 2012. Biological Monitoring of the Tennessee River Near the Browns Ferry Nuclear Plant Discharge Autumn 2011.

Data presented in the referenced TVA report includes the fish community monitoring data from that year as well as summary info from previous sampling years within the Wheeler reservoir. These data are the most recent publicly available data for the Wheeler Reservoir. These data are part of a long-term monitoring effort by the TVA to establish fish community conditions and trends within the Wheeler Reservoir.

5.2 LIST OF SPECIES FOR ALL LIFE STAGES

At total of 35 different fish species were collected from the two sampling stations. The most abundant species collected were gizzard shad, Mississippi silverside, and threadfin shad, comprising 66 percent of the total catch (TVA, 2012). The fish community data from the TVA 2011 monitoring efforts are shown in Table 5-1.



Table 5-1: Species Identified in Wheeler Reservoir in Autumn 2011 (TVA, 2012)

Common Name	Scientific Name	Name Downstream		Total Combined
		TRM 292.5	TRM 295.9	Catch
Longnose Gar	Lepisosteus Osseus	12	0	12
Gizzard Shad	Dorosoma Cepedianum	679	645	1324
Common Carp	Cyprinus Carpio	6	1	7
Golden Shinner	Notemigonus Crysoleucas	26	1	27
Spotfin Shiner	Cyprinella Spiloptera	14	109	123
Redbreast Sunfish	Lepomis Auritus	0	2	2
Green Sunfish	Lepomis Cyanellus	47	66	113
Bluegill	Lepomis Macrochirus	123	238	361
Largemouth Bass	Micropterus Salmoides	110	32	142
White Crappie	Pomoxis Annularis	3	4	7
Skipjack Herring	Alosa Chrysochloris	2	4	6
Northern Hog Sucker	Hypentelium Nigricans	1	0	1
Spotted Sucker	Minytrema Melanops	14	7	21
Black Redhorse	Moxostoma Duquesnei	0	8	8
Longear Sunfish	Lepomis Megalotis	27	56	83
Smallmouth Bass	Micropterus Dolomieu	20	29	49
Spotted Gar	Lepisosteus Oculatus	9	5	14
Threadfin Shad	Dorosoma Petenense	303	240	543
Largescale Stoneroller	Campostoma Oligolepis	1	0	1
Smallmouth Buffalo	Ictiobus Bubalus	6	10	16
Black Buffalo	Ictiobus Niger	2	4	6
Silver Redhorse	Moxostoma Anisurum	0	1	1
Blue Catfish	Ictalurus Furcatus	2	4	6
Channel Catfish	Ictalurus Punctatus	50	55	105
Flathead Catfish	Pylodictis Olivaris	11	14	25
White Bass	Morone Chrysops	18	8	26
Yellow Bass	Morone Mississippienses	11	0	11
Warmouth	Lepomis Gluosus	1	2	3
Redear Sunfish	Lepomis Microlophus	28	14	42
Spotted Bass	Micropterus Punctulatus	3	1	4
Black Crappie	Pomoxis Nigromaculatus	2	1	3
Longperch	Percina Caprodes	1	0	1
Freshwater Drum	Aplodinotus Grunniens	12	30	42
Mississippi Silverside	Menidia Audens	352	279	631
Chestnut Lamprey	Ichthyomyzon Castaneus	0	1	1
	Total Species	35	Total Indiv.	3767

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Fish community information was used to calculate a Reservoir Fish Assemblage Index (RFAI) score at each of the two monitoring locations near the BFN Plant. An RFAI protocol to assess the health of the fish community was developed by the TVA for the Wheeler Reservoir. RFAI scores for the Wheeler Reservoir were based on 12 metrics evaluating four general categories of the fish community including: species richness and composition; trophic composition; abundance; and fish health (TVA, 2012). The individual metrics used to calculate RFAI scores for the Wheeler Reservoir fish community monitoring efforts are listed in Table 5-2.

Table 5-2: Fish community metrics used to calculate RFAI scores (TVA, 2012)

	The state of the s
HE MAN	Metric Name
1	Total Number of Species
2	Number of Centrachid Species (i.e. Sunfish)
3	Number of Benthic Invertivore Species
4	Number of Intolerant Species
5	Percentage of Tolerant Individuals
6	Percent Dominance by One Species
7	Percentage of Non-Indigenous Species
8	Number of Top Carnivore Species
9	Percentage of Individuals as Top Carnivores
10	Percentage of Individuals as Ominvores
11	Average Number of Fish Individuals Per Run
12	Percentage of Individuals Anomolies

RFAI scores were calculated from the above 12 metrics and result in a score range from 12 to 60. Quality ratings for the scores included: Very Poor (12-21); Poor (22-31); Fair (32-40); Good (41-50) and Excellent (51-60). RFAI scores are robust measures of fish community health because they use multiple metrics to evaluate the composition of the species and individuals at site or within a water body and therefore have low susceptibility to changes in scores that would be due to only one species or small changes in physical conditions in a water body (TVA, 2012). The RFAI scores and quality ratings for the two sampling stations in 2011 were as follows:

- Upstream RM 295.9: 40 Fair
- Downstream RM 292.5: 38 Fair

During a period of 1993 through 2011, the TVA calculated RFAI scores for 17 years at five different stations within the Wheeler Reservoir. The scores across all stations for all sampling years ranged from 30 to 52. The average RFAI scores for the two stations near the BFN was 41 for each station, which is the low end of the "Good" rating category. The two scores from 2011 are similar to the long-term averages from both sites and not measurably different from the scores collected the prior five years at either site. The differences between the upstream and downstream RFAI scores from 2011 are within the range of variation for RFAI scores and therefore not significantly different from each other. Additionally, the scores are both similar to the long term averages for each site and also similar to the scores the recent prior years in 2008 and 2009 (TVA, 2012).



5.3 IDENTIFICATION OF SPECIES AND LIFE STAGES MOST SUSCEPTIBLE TO IMPINGEMENT AND ENTRAINMENT

Fish community data was collected by the TVA near the BNF within the Wheeler Reservoir in 2008, 2009, and 2011. There was some fluctuation in the total catch of all individuals, number of species present, and numbers of individuals from each species across these monitoring years. However, there were several species that comprised a significant portion of the total catch across those monitoring years. As the most prominent species in this section of the Wheeler Reservoir, they are therefore the species most susceptible to impingement or entrainment at a CWIS (TVA, 2012). The most prominent species collected near the BNF from the three most recent sample years are presented in Table 5-3.

Table 5-3: Prominent Fish collected from Wheeler Reservoir between 2008 and 2011 (TVA, 2012)

Common Name	2008		2009		2011	
	TRM 292.5	TRM 295.9	TRM 292.5	TRM 295.9	TRM 292.5	TRM 295.9
Gizzard Shad	353	308	382	309	679	645
Spotfin Shiner	3	2	29	5	14	109
Bluegill	176	80	87	58	123	238
Largemouth Bass	138	97	107	99	110	32
Longear Sunfish	84	23	32	13	27	56
Smallmouth Bass	17	6	56	2	20	29
Threadfin Shad	1	4	16	14	303	240
Channel Catfish	27	89	66	110	50	55
White Bass	57	28	3	4	18	8
Inland Silverside	887	261	639	389	0	0
Mississippi Silverside	0	0	0	0	352	279

5.4 LIFE CYCLES AND SEASONAL/DAILY ACTIVITIES OF RELEVANT SPECIES

There are several species that have been prominent in the total catch of the fish community monitoring efforts within the Wheeler reservoir (see Table 5-3). Relevant life history information of these prominent species is presented in the following sections.

Gizzard Shad

From: https://www.arkansasstripers.com/gizzard-shad.htm

Gizzard shad are found in lakes, rivers, and reservoirs across the Midwest and eastern half of the US. They are a prevalent species in reservoirs across the southern US. Gizzard shad are omnivorous filter feeder taking both phytoplankton and zoo plankton. The adults have more than 400, fine gill rakers that can catch minute plankton. Gizzard Shad have an unusual digestion process for fish. The vegetable material they eat is ground in a gizzard like stomach. Some bottom material is often ingested while feeding. Lake and reservoir populations use both the shoreline and open water areas. Essentially it is an open water species, living at or near the surface, however, they have been collected at depths of up to 100 feet. Conditions for gizzard shad populations are optimal in warm, fertile, shallow bodies of water with soft mud bottoms, high turbidity, and relatively few predators. The



gizzard shad spawns in spring, typically from May to June, when water temperatures reach the mid-60s to mid-70s.

Spotfin Shiner

From: https://www.fishbase.de/summary/Cyprinella-spiloptera

Spotfin shiner are a small shiner species that grows to lengths of up to 12 centimeters. They are found in rivers and streams across the upper Midwest and into the southeast US as far south as Alabama. Spotfin shiners live along sandy areas and gravel bars in pools and runs of creeks and small to medium rivers. They are also occasionally found in large river systems, which is how they can ultimately end up in a reservoir of a large river. They feed on the surface on zooplankton and aquatic insects. Spotfin shiners spawn in the crevices of gravel beds or rocky areas as well as near logs. The spawning season is mid-summer lasting from June through mid-August.

Bluegill

From: https://outdooralabama.com/bream/bluegill

The bluegill is a common fish found in ponds, lakes, rivers, and streams through the US as well as into southern Canada and northern Mexico. In Alabama they are found in waterbodies ranging from small private ponds, to large reservoirs. Bluegills are a popular fish among anglers and are stocked as a sport fish in many places in the US. They are commonly six to ten inches long. Bluegills spawn by making nests in gravel beds in shallow to moderately deep areas. The spawning season is driven by water temperature and is typically late May into June but can last for the entire summer. Bluegills are sight feeders that prey on zooplankton and aquatic insects. Large populations of bluegills in some systems can cause over grazing of the primary base of the food web which can lead to either size-stunted bluegill populations or a lack of resources for other species.

Largemouth Bass

From: https://www.outdooralabama.com/black-bass/largemouth-bass

Largemouth bass are one of the most popular game fishes in the US and can be found across the entire county as well as Canada and Mexico. Largemouth bass can be found from 10 to 30 inches, with large individuals weighing in excess of 12 pounds. They have a dark green back that transitions to a light belly and underside. They also have a prominent lateral line along the length of the fish and have a very large mouth capable of swallowing significant size prey. Largemouth bass can be found in almost all aquatic habitats in the US, from small ponds and wetlands, in medium to large lakes, and from small to large streams and rivers. They are also a very prominent species in reservoirs, especially those found in the central and southern portions of the US. Largemouth bass spawn on gravel beds and protect the nests from predators after eggs are deposited. Spawning season is typically from April to May in the southern US but can be later in the northern areas from May into June. Due to the size of their mouths, largemouth bass can feed on a variety of prey including aquatic insects, worms, crayfish, and small to medium sized fish.



Longear Sunfish

From: https://outdooralabama.com/bream/longear-sunfish

The longear sunfish gets its name because the black ear-flap on the gill plate is elongated compared to other sunfish species. They are a smaller sunfish compared to bluegills reaching sizes of four to seven inches. They can be commonly found in small to moderately sized streams, as well as rivers, reservoirs, and oxbow areas. These fish have a small home range congregating in close areas where they form pods to protect nests. The nests are built on sand or gravel shoals near where streams flow into lakes or reservoirs. They spwan in the spring to summer, similar to other sunfish species. They will eat fish eggs, zooplankton, and small aquatic insects. Larger individuals will also feed on terrestrial insects.

Threadfin Shad

From: https://fisheries.tamu.edu/pond-management/species/threadfin-shad/

Threadfin shad are native to the U.S. west of the Appalachian Mountains. They have also been introduced in many lakes and rivers as a forage fish for larger sportfish species. These fish are extremely sensitive to cold water and do better in states with warmer temperatures. Threadfin shad are a warm water species that will die if water temperatures go below 6 degrees Celsius. They can be found in open brackish waters, as well as large ponds, lakes, and reservoirs. They are dependent on light for foraging and will stay high in the water column, feeding exclusively on plankton. They can spawn as early as their first summer of life but often wait till their second summer to mate. Mating occurs between August and July. The lay sticky egg masses that clump to the substrate or floating objects. Few of these fish live to be older than 2 years or grow over 10cm long.

Smallmouth Bass

From: https://www.outdooralabama.com/black-bass/smallmouth-bass

The smallmouth bass grow from 10 to over 20 inches and are smaller in size than the largemouth bass, growing up to six pounds. The lateral line of the smallmouth bass is not as prominent as the largemouth bass and they are a bronze-green in color. Their eyes can also sometimes have a reddish tint compared to other black basses. Smallmouth bass are not as widespread across the US as the largemouth bass though they can be found in lakes, rivers, streams, and reservoirs. They typically prefer systems that have cool, clear, deep water compared to warmer water preferred by largemouth bass. Smallmouth bass typically prefer rocky cobble to boulder size substrates but can also be found around logs, treetops, and even artificial riprap. Spawning periods for smallmouth bass are usually mid-spring from April into May. They feed on small fishes, crayfish, and insects.

Channel Catfish

From: https://outdooralabama.com/catfish/channel-catfish

Channel catfish are a medium to large size fish typically ranging from 15 to 24 inches but large individuals can exceed 30 inches and 40 pounds. They are silver in color with dark green to grey backs and pinkish iridescent tints along the sides and belly. Channel Catfish are found in medium to large streams and rivers, reservoirs, oxbow lakes, and swamps.



They also can be stocked in lakes and ponds. They are a popular gamefish in many areas of the US. They are often found around areas of current and prefer sand, gravel, and silt substrates. Spawning occurs from late spring into the summer and can continue as late as August in some cases. Channel catfish are a top predator in most systems feeding on aquatic insects and crayfish when they are younger but then small to medium fish and mollusks as adults.

White Bass

From: https://www.outdooralabama.com/temperate-bass/white-bass

White bass have lateral stripes on their sides and are often called "stripped bass" by local anglers even though they are a different species than true striped bass found in saltwater systems. White bass are typically 10 to 15 inches in size but individuals can exceed 20 inches. They have dark coloring on their back (grey/green or grey/blue) and then light sides making the stripes stand out. They are found in streams, rivers, and reservoirs in the US. They have been introduced into a number of river and reservoir systems as a game fish. White bass roam the open waters of rivers and reservoirs feeding aggressively aquatic insects and other fishes including shad. They are also found along riprap, near downed trees, or around dams and other river structures. Spawning occurs in the water column and eggs drift down to the bottom of the system to hatch. The spawning period for largemouth bass is normally from April into May.

Inland Silverside

From: https://outdooralabama.com/silverside/inland-silverside

The Inland Silverside is a small fish that is normally two to four inches in length. They have a pale green to translucent yellow color along the back and sides and also have a silver stripe running the length of the body. They are found in the eastern US from the north Atlantic Coast and south down towards the gulf and west across the Mississippi River drainage. They prefer brackish waters of bayous and lagoons, as well as quiet back pay areas of lakes, rivers, and reservoirs. The inland silverside feeds on small crustaceans, aquatic insects, worms, and occasionally algae. They can have multiple spawning events that can occur throughout the spring and summer seasons from April until August. They spawn in open water but the eggs attach themselves to vegetation and other submerged objects.

Mississippi Silverside

From: https://nas.er.usgs.gov/queries/FactSheet.aspx?speciesID=2903

The Mississippi silverside can be found in the Mississippi River drainage and the major tributaries, from the north Atlantic down to the Gulf coast. They are small fish normally 2 to five inches in length. The Mississippi silverside usually occur at the surface in clear, quiet water over sand or gravel. They have been introduced into some systems and can quickly become very abundant in rivers or reservoirs shortly have being introduced. With its ability to reproduce quickly there is the threat of this species consuming significant aquatic resources and ultimately impacting other fish species in a system by out competing them for food and nutrients.



5.5 THREATENED, ENDANGERED, AND OTHER PROTECTED SPECIES

A list of threatened, endangered, and other protected species for Morgan County, Alabama was acquired from the US Fish and Wildlife Service (USFWS) Environmental Conservation Online System (ECOS) and is summarized in Table 5-4.

Table 5-4: List of threatened, endangered, and other protected species for Morgan County, Alabama

County, Al	abama				
Group	Name	Population	Status	Recovery Plan	Recovery Plan Action Status
Amphibians	Black warrior (=Sipsey Fork) Waterdog (Necturus alabamensis)	Wherever found	Endangered	Recovery Outline for the Black Warrior Waterdog (Necturus alabamensis), January 2018	Recovery efforts in progress, but no implementation information yet to display.
Clams	Pink mucket (pearlymussel) (Lampsilis abrupta)	Wherever found	Endangered	Pink Mucket Pearly Mussel	Implementation Progress
Clams	Rough pigtoe (Pleurobema plenum)	Wherever found	Endangered	Rough Pigtoe Pearly Mussel	Implementation Progress
Clams	Spectaclecase (mussel) (Cumberlandia monodonta)	Wherever found	Endangered		
Clams	Dark pigtoe (Pleurobema furvum)	Wherever found	Endangered	Recovery Plan for the Mobile River Basin (15 species)	Implementation Progress
Clams	Sheepnose Mussel (Plethobasus cyphyus)	Wherever found	Endangered		
Crustaceans	Alabama cave shrimp (Palaemonias alabamae)	Wherever found	Endangered	Alabama Cave Shrimp Recovery Plan	Implementation Progress
Ferns and Allies	American hart's-tongue fern (Asplenium scolopendrium var. americanum)	Wherever found	Threatened	American Hart's- tongue Fern	Implementation Progress
Flowering Plants	Fleshy-fruit gladecress (Leavenworthia crassa)	Wherever found	Endangered		
Flowering Plants	Price's potato- bean (Apios priceana)		Threatened	Price's Potato Bean	Implementation Progress



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Flowering Plants	Leafy prairie- clover (Dalea foliosa)	Wherever found	Endangered	Leafy Prairie-clover	Implementation Progress
Mammals	Indiana bat (Myotis sodalis)	Wherever found	Endangered	Indiana Bat (Myotis sodalis) Draft Recovery Plan: First Revision	Implementation Progress
Mammals	Gray bat (Myotis grisescens)	Wherever found	Endangered	Gray Bat	Implementation Progress
Mammals	Northern Long- Eared Bat (Myotis septentrionalis)	Wherever found	Threatened		
Reptiles	Flattened musk turtle (Sternotherus depressus)	Black Warrior R. system upstream from Bankhead Dam	Threatened	Flattened Musk Turtle	Implementation Progress
Snails	Anthony's riversnail (Athearnia anthonyi)	Wherever found; Except where listed as Experimental Populations	Endangered	Anthony's Riversnail	Implementation Progress

5.6 CONSULTATION WITH FEDERAL AND STATE AGENCIES

3M has not conducted consultation with state or federal agencies, nor has sought the need for an incidental take permit or authorization related to federally or state protected species under the protection of the USFWS or National Marine Fisheries Service (NMFS).

5.7 CONCLUSIONS

The data presented in the TVA Biological Monitoring report indicates that the fish community within the Wheeler Reservoir is stable and that the BFN Plant is not having an impact on the fish community within the reservoir (TVA, 2012).

To facilitate comparison between the BFN Plant CWIS and the 3M CWIS, Table 5-5 provides a summary of cooling water flows for both facilities.

Table 5-5: Comparison of Cooling Water Flow Rates

AND A SECURITY OF THE PERSON	BFN Plant	3M
Maximum Flow Rate (MGD)	3,468	16.2
Average Flow Rate (MGD)	1,9861	4.35 ²

 $^{^1}$ Average flow from 2003-2004, with only Units 2 and 3 operational (TVA, 2006). Note that Unit 1 was returned to service in 2007

The 3M CWIS is considerably smaller than that of the BNF Plant, intaking and discharging a cooling water volume of between 0.2% and 0.5%, comparatively. Therefore, the smaller 3M CWIS is likely also not impacting the fish community within the Wheeler Reservoir.



² Average flow from January 2015 to May 2018

6.1 NARRATIVE DESCRIPTION

The 3M Decatur cooling water system is operational 24 hours per day, seven days per week, 365 days per year. There is minimal consistent seasonal variation in the operation of the cooling water system. River water supplied by the CWIS pumps makes up 100% of the water used in the cooling water system; no process water or gray water is reused for cooling water. No cooling water is reused as process water; the cooling system is once-through and is discharged to the Tennessee River through NPDES Outfall DSN 001, where it is combined with the effluent from the facility's wastewater treatment plant.

6.2 DESIGN AND ENGINEERING CALCULATIONS

Table 6-1 shows the average monthly intake flows from 2015 through May 2018.

Table 6-1: Monthly Average CWIS Flow Rates

	and the same of th			
Month		Average Fl	ow (MGD)¹	
Month	2015	2016	2017	2018
January	2.95	4.73	4.12	4.20
February	3.33	5.42	3.86	4.26
March	3.10	5.02	4.09	4.13
April	3.21	5.24	4.25	3.78
May	3.71	5.44	4.57	3.49
June	3.65	5.25	4.73	
July	5.03	4.72	4.97	COLUMN TO SERVICE
August	4.87	4.46	4.41	
September	4.87	4.49	4.58	
October	5.19	4.47	4.77	
November	4.76	3.33	4.44	Hill Hall 😑
December	4.75	3.50	4.10	

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The Wheeler Reservoir has a volume of 1,050,000 acre-feet at the normal summer pool elevation. Based on flow data provided by TVA, the Tennessee River average daily flow through Wheeler Dam from 2008-2018 was 50,392 cfs (32,569 MGD). The average cooling water flow at 3M Decatur from January 2015 through May 2018 was 4.35 MGD (6.73 cfs, or 13.3 acre-feet per day). Based on these volumes and flows, on average 3M withdraws less than 0.0013% per day of the normal summer pool reservoir volume and less than 0.014% of the average daily flow. Table 6-2 shows the proportion of the Tennessee River average daily flow withdrawn, on a monthly basis.



¹ As reported in the facility's monthly DMRs for Outfall DSN 001B. Flows are determined by subtracting flows measured at DSN 001A from DSN 001.

Table 6-2: Average Proportion of Tennessee River Flow Withdrawn by CWIS

	and the same of th			
Month		Average P	roportion ¹	10.000
Month	2015	2016	2017	2018
January	0.006%	0.007%	0.012%	0.022%
February	0.010%	0.007%	0.014%	0.005%
March	0.006%	0.012%	0.014%	0.006%
April	0.008%	0.035%	0.012%	0.009%
May	0.030%	0.073%	0.011%	0.013%
June	0.025%	0.055%	0.017%	(Mail + 1) 14
July	0.017%	0.046%	0.019%	
August	0.022%	0.027%	0.019%	
September	0.031%	0.039%	0.023%	N
October	0.020%	0.043%	0.020%	
November	0.014%	0.033%	0.013%	
December	0.005%	0.016%	0.015%	

 $^{^{1}}$ Proportions are determined by dividing monthly average CWIS flow by monthly average flow through Wheeler Dam.

6.3 EXISTING IMPINGEMENT AND ENTRAINMENT TECHNOLOGIES OR OPERATIONAL MEASURES

The 3M CWIS has fine screens with 1/2'' spacing to limit entrainment of larger objects and has a maximum design through-screen intake velocity of less than 0.5 feet per second. Additional discussion on the design intake velocity is provided in the next section.

3M performs regular preventative maintenance of the CWIS, helping to keep the various components free of obstruction. This includes annual cleaning of the pump suction sumps, dredging in front of the bar screens as needed, and quarterly cleaning of the fine screens.

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7.0 Chosen Method of Compliance with Impingement Mortality Standard

7.1 40 CFR 125.94(C)(2)

This section documents 3M Decatur's CWIS compliance with the impingement standard of the rule. The chosen method is 40 CFR 125.94(c)(2), which is summarized below.

(2) 0.5 Feet Per Second Through-Screen Design Velocity. A facility must operate a cooling water intake structure that has a maximum design through-screen intake velocity of 0.5 feet per second. The owner or operator of the facility must submit information to the Director that demonstrates that the maximum design intake velocity as water passes through the structural components of a screen measured perpendicular to the screen mesh does not exceed 0.5 feet per second. The maximum velocity must be achieved under all conditions, including during minimum ambient source water surface elevations (based on BPJ using hydrological data) and during periods of maximum head loss across the screens or other devices during normal operation of the intake structure.

Because all three pumps are identical, and each pump has a dedicated sump and set of screens, the through-screen velocities (TSV) for a single pump operating at full power were calculated. A free space opening rating of 74% was used for the fine screen mesh per vendor specifications. Table 7-1 shows the calculated TSV's under various conditions. Based on a minimum ambient surface water elevation of 550 ft MSL, the maximum design intake velocity through the CWIS screens is less than 0.5 feet per second.

Table 7-1: Design and actual through-screen velocity (TSV).

[14] 27 [- [2] 12 [12] 25 [25] 26 [25] 25 [
Elevation	Free Space	Design TSV (ft/sec)	Actual TS	V (ft/sec)		
(ft MSL)	Opening (sf)	Q = 5.4 MGD (1 Pump)	Q = 4.35 MGD (Avg Day) ¹	Q = 7.00 MGD (Max Day) ^{1,2}		
550	41	0.206	0.166	0.133		
556	63	0.133	0.107	0.086		
560	79	0.106	0.085	0.068		
561	81	0.103	0.083	0.067		
	Elevation (ft MSL) 550 556 560	Elevation (ft MSL) 550 550 41 556 63 560 79	Elevation (ft MSL) Free Space Opening (sf) Design TSV (ft/sec) 550 41 0.206 556 63 0.133 560 79 0.106	Free Space Opening (sf) Design TSV (ft/sec) Actual TS (ft/sec) Q = 5.4 MGD (Avg Day)^1		

¹ Based on flow data from January 2015 through May 2018.



² TSV calculated assuming two pumps operating with flow split equally between them.

8.0 Entrainment Performance Studies

8.1 AVAILABLE DATA

Through a search of publicly available documents, one relevant entrainment study was found that was conducted by the TVA at their BFN Plant from 2006. The following reports were reviewed to evaluate entrainment mortality on the Wheeler Reservoir:

- TVA, June 2006. Biological Assessment: Effects of Condenser Cooling Water Withdrawal on the Fish Community Near the Browns Ferry Nuclear Plant Intake.
- TVA, July 2012. Biological Monitoring of the Tennessee River Near the Browns Ferry Nuclear Plant Discharge Autumn 2011.
- Enersolv, 2017. Ascend Performance Materials 316(b) Information: Cooling Water Intake Structure Data

There are no additional publicly available entrainment mortality data sets that have collected since the 2006 study by the TVA for BFN. This 2006 study and associated data are relevant to the 3M CWIS because of the relative proximity of the study location in the Wheeler Reservoir and the similarity in the lake cross sections at each site. The reservoir is more than 45 miles long. Both sites (BFN and 3M CWIS) are within the transition zone (middle third) of the lake. The Ascend 2017 report is for a CWIS structure within one mile of the 3M CWIS.

The 2006 entrainment mortality study completed for BFN Plant is more than ten years old, however the above listed 2012 Biological Monitoring Report completed by the TVA for the Wheeler Reservoir has updated fish community data that is more recent and can be combined with the results of the 2006 entrainment mortality study to make the appropriate assessment of potential impacts to the fish community within the Wheeler Reservoir. A summary of the methods, data, and conclusion from the 2006 TVA entrainment mortality study for the BFN Plant is provided below.

8.2 SUMMARY OF BFN ENTRAINMENT STUDY

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Methodology

Sampling methods for the entrainment mortality study included the collection of 20 samples from March through July from the water column flowing into the intake structure of the BFN. Eight samples were also collected from three locations within the reservoir to compare the amount of larval fish and fish eggs within the open water basin of the Wheeler Reservoir to the intake area around BFN. Samples were collected from the intake and reservoir locations in 2003 and 2004. All samples used a 0.5-meter fine mesh net with a flow meter. The flow meter was used to determine the volume of water that passed through the net during sampling, which was then used to calculate the density and number of fish eggs and larvae collected. Samples were processed in a laboratory where fish eggs and larvae were identified to the lowest practical taxon, which was typically to the family level (TVA, 2006).

Results

Data from the samples are reported as densities of fish eggs or larvae per unit of water sampled. The average number of fish eggs and larvae collected by TVA in 2003 and 2004 for are provided in Table 8-1.



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Table 8-1: Summary of eggs and larval fish collected from 2003 and 2004 (TVA, 2006)

Maria Control	Intake Samples		Reservoir Sample	
中央 [1] [1] [1]	2003	2004	2003	2004
	1000/m ³	1000/m³	1000/m ³	1000/m ³
Eggs ¹				
Unspecified	5	T	T	T
Clupeidae	15	56	40	4
Catostomidae		T	T	T
Percidae	T	T	T-water	Т
Sciaenidae	76	577	376	693
Total	96	633	416	697
Larvae ¹				
Lepisosteidae	T	T	T	Т
Clupeidae	2943	8354	3877	9241
Hiodontidae	T	T	The T	T
Cyprinidae	8	18	11	14
Catostomidae	43	3	34	3
Ictaluridae	4	6	1	1
Poeciliidae	T	Т	T	T
Moronidae	56	90	275	72
Centrarchidae	24	157	20	55
Percidae	8	3	6	3
Sciaenidae	104	8	170	19
Atherinopsidae	16	160	6	90
Total	3206	8800	4399	9497

¹ Eggs and larvae were identified and grouped to family level.

For the collected fish eggs, freshwater drum were the most prevalent species comprising 94 percent of all eggs collected over the two-year sampling period. Freshwater drum from the family Sciaenidae were the dominant catch in both the intake and reservoir samples. Fish eggs were not identified to the species level, however freshwater drum are the only species from the Sciaendae family present in the US. Densities of eggs collected were similar in 2003 and 2004. For the juvenile and larval there were a total of 476,434 fish from twelve families collected. Over 95 percent of the total individuals collected were shad from the family Clupeidae. Fish densities collected were higher in 2004 compared to 2003 (TVA, 2006).

Conclusions

The results of the 2006 entrainment mortality study determined that the historical data collected in 2003 and 2004 demonstrate the variability in the occurrence and spatial temporal distribution of fish in Wheeler Reservoir near BFN. This variability translates into significant fluctuation in the entrainment and impingement rates associated with plant operation. Factors contributing to these fluctuations include year-class strength of individual species, life history of selected species, and the physical parameters of Wheeler Reservoir in the vicinity of BFN (TVA, 2006). The 2011 fish community report illustrates some of the potential variability in the fish community noted in the 2006 report. The 2011 fish community surveys did find that gizzard shad continued to be one of the most prevalent fish



collected from 2008 through 2011 matching the prevalence of the species in the 2006 entrainment mortality study. However, freshwater drum eggs were the most prevalent species collected in 2003 and 2004 however this species comprised approximately only one percent of the total catch. Additionally, Mississippi Silverside were not present in 2008 or 2009 but were the most numerous species collected in 2011 (TVA, 2012).

8.3 CONCLUSIONS FOR 3M CWIS

Ultimately, the 2006 entrainment mortality study concluded that the data collected from the Wheeler Reservoir demonstrates that there are no significant impacts on the fish community due to the operation of BFN (TVA, 2006).

Due to the smaller flow of the 3M CWIS (approximately 0.2% to 0.5% of the BFN Plant cooling water flow, as discussed in Section 5.7), the location of the intake in the same section of the Wheeler Reservoir as the BFN intake, and the applicable inherent variation of the fish population within the Wheeler Reservoir, it can also be concluded that the operation of the 3M CWIS is not measurably impacting the fish community within the reservoir.



8-3

9.0 Operational Status

3M Decatur utilizes river water for once-through cooling water on vacuum jets, vessel jackets, heat exchangers and various other unit operations associated with various manufacturing processes throughout the facility. River water is not used for power production or steam generation at 3M Decatur.

As summarized in previous sections, the average cooling water flow from January 2015 through May 2018 was 4.35 MGD (6.73 cfs), with a maximum daily flow of 7.00 MGD (10.8 cfs).

3M does not anticipate any appreciable changes to the volume of non-contact cooling water used and does not have plans for changes to the CWIS over the next five years.



10.0 References

Enersolv, 2017. Ascend Performance Materials - 316(b) Information: Cooling Water Intake Structure Data.

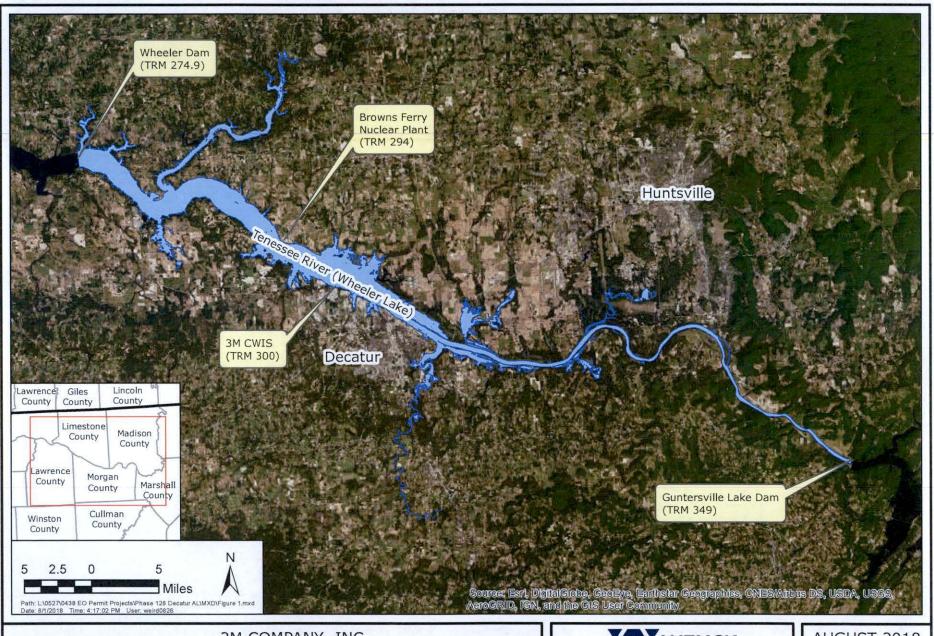
TVA, June 2006. Biological Assessment: Effects of Condenser Cooling Water Withdrawal of the Fish Community Near the Browns Ferry Nuclear Plant Intake.

TVA, July 2012. Biological Monitoring of the Tennessee River Near Browns Ferry Nuclear Plant Discharge, Autumn 2011.

US Fish and Wildlife Services Environmental Conservation https://ecos.fws.gov/ecp/

Wheeler Lake Water Level Website http://www.wheelerlake.info/Level/





3M COMPANY, INC.

Cooling Water Intake Structure and Source Water Location Map



AUGUST 2018

Figure 1

Figure 2 Water Balance Diagram

